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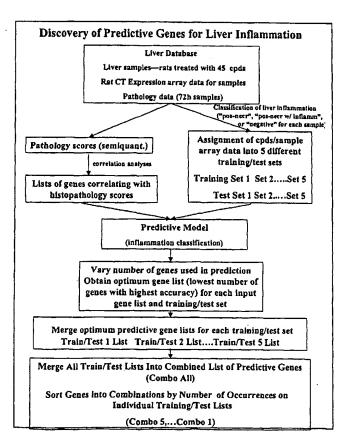
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(54) Title: LIVER INFLAMMATION PREDICTIVE GENES



(57) Abstract: The invention provides toxicity predictive genes that can be used to predict toxicity in response to one more agents. The invention provides for a method of predicting the liver toxicity In Vivo or In Vitro to an agent. The method comprises obtaining a biological sample from an individual, cell culture or explant treated with the agent. The expression of one or more liver toxicity, predictive genes in the sample is measured, wherein the genes are selected from a group consisting of partial gene sequences of genes identified as responsive to agents causing liver inflammation. The process generates a test expression profile. The test expression profile is used with a set of reference expression profiles in a Predictive Model to determine whether the agent will induce liver toxicity in the individual.

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LIVER INFLAMMATION PREDICTIVE GENES

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Cross Reference to Other Patent Applications

This application claims the benefit of U.S. Provisional application No. 60/379,831 and filed 05/10/02, which is incorporated herein by reference in its entirety.

Reference to a Sequence Listing and Tables

Description of Accompanying CD-ROM (37 C.F.R. §§ 1.52 & 1.58): Tables 26, 28, 29, and 30 referred to herein are filed herewith on CD-ROM in accordance with 37 C.F.R. §§ 1.52 and 1.58. Two identical copies (marked "Copy 1" and "Copy 2") of said CD-ROM, both of which contain Tables 26, 28, 29, and 30, are submitted herewith, for a total of two CD-ROM discs submitted. Table 26 is recorded on said CD-ROM discs as "Table26.txt" created April 25, 2002 size 288,877 bytes. Table 28 is recorded on said CD-ROM discs as "Table28.txt" created on May 6, 2002, size 634,567 bytes. Table 29 is recorded on said CD-ROM discs as "Table29.txt" created on May 6, 2002, size 444,079 bytes. Table 30 is recorded on said CD-ROM discs as "Table30.txt" created on May 6, 2002, size 399,825 bytes.

The contents of the files contained on the CD-ROM discs submitted with this application are hereby incorporated by reference into the specification.

Background

This invention is in the field of toxicology. More specifically, it relates to liver inflammation predictive genes and the methods of using such genes to predict liver inflammation.

Molecular biology and genomics technologies have potential to create dramatic advances and improvements for the science of toxicology as for other biological sciences. See, for example, MacGregor, et al. Fund. Appl. Tox. 26:156-173, 1995; Rodi et al., Tox. Pathology 27:107-110, 1999; Cunningham et al., Ann. N.Y. Acad. Sci. 919: 52-67, 2000; Pritchard et al., Proc. Natl. Acad. Sci. USA 98:13266-13271, 2001; and Fielden and Zacharewski, Tox. Sciences 60: 6-10, 2001. These technologies provide massive amounts of parallel information for processes and events occurring at the molecular level. This level of information is in dramatic contrast to conventional safety assessment toxicology that, to a large extent, currently relies on subjective evaluation (e.g., in-life observations of behavior, observations of gross abnormalities at necropsy and histopathological examination of stained tissue slides using a microscope). These current methodologies may be largely subjective and in some cases such as histopathological evaluation, they require someone with a high degree of training, experience and skill to make competent evaluations. Furthermore, many of the methodologies require access to organs and tissues that necessitates either killing laboratory animals or surgery to obtain tissue specimens.

Recently, there have been some initial efforts to apply molecular biology and genomics technologies to toxicology. Some efforts have involved application of gene expression measurements. See, for example, U.S. Patent 6,228,589 and WO 01/05804. Analysis of the data has yielded interesting observations of gene expressions that appear to correlate with some toxic effects or mechanisms. See, for example, Mueller et al. *Environmental Health Perspectives* 106(5): 277-230 (1998). However, there has been very little published work in toxicology so far that applies rigorous analytical and statistical techniques to the massive amounts of data available from genomics technologies. The observations, so far, have tended to be phenomenological and focused on individual gene responses rather than determining the generally applicable capabilities of patterns of gene expression to predict toxic effects (see, for example, studies of gene expression altered by exposure to liver

toxicants in Bartosiewicz et al., Environ health Perspectives 109:71-74, 2001; Huang et al., *Tox. Sciences* 63: 196-207, 2001). Even in the larger field of biological sciences, these types of analyses are just beginning to be evidenced in the literature (e.g., Golub et al., *Science* 286: 531-537, 1999).

Recently some work has been published that attempts to correlate gene expression profiles with the mechanism of toxicity of various hepatotoxins. See for example, Waring et al. *Tox. and Appl. Pharm.* 175:28-42 (2001). However there has been limited success thus far in the attempts to predict toxicity of compounds based on the gene expression profiles elicited upon treatment.

What is needed are genes and predictive models, which are capable of predicting toxicity response.

Summary

The invention provides liver inflammation predictive genes and predictive models which are useful to predict toxic responses to one or more agents.

One aspect of the present invention provides methods of predicting liver toxicity to an agent. A biological sample is obtained from an individual treated with the agent. Alternatively, a biological sample is obtained from an individual and treated with the agent. In vitro cultured cells or explants may also be treated with the agent. A gene expression profile on one or more of the liver inflammation predictive genes disclosed herein is obtained from the biological sample or in vitro cultured cells or explants used. The gene expression profile from the biological sample or cells treated with the agent is used in a predictive model to predict whether the agent will induce liver inflammation in the individual or would be predicted to produce liver toxicity following in vivo exposure.

In another aspect, the invention provides methods for determining the presence or absence of a no-observable effect level (NOEL) of an agent in an individual. A biological sample is obtained from individuals treated with the agent at different dose

levels. Alternatively, a biological sample is obtained from In vitro cultured cells or explants treated *in vitro* at different dose levels. A gene expression profile of a set of liver inflammation predictive genes from the samples, cultured cells or explants is obtained. The gene expression profile from the biological sample or cells treated with the agent are used in a predictive model to predict at which dose levels the agent will induce liver inflammation in the individual or *in vitro*. In one embodiment, the predictive model utilizes sets of liver inflammation predictive gene(s) selected from one of the various liver inflammation predictive gene sets disclosed herein (*i.e.*, Combination 5, 4, 3, 2, or 1), wherein the sets comprise one or more genes therefrom.

In another aspect, the invention provides methods of identifying a liver inflammation predictive gene. One method comprises providing a set of candidate toxicity predictive genes; evaluating said genes for their predictive performance with at least one training and test set of data in a Predictive Model to identify genes which are predictive of liver inflammation; and testing the performance of predictive genes for their ability to predict liver inflammation for: (i) different test sets of data, (ii) comparison of prediction for accurate versus random classification, and (iii) prediction using test data external to the data used to derive the predictive genes.

In another aspect, the invention provides a computer-based method for mining genes predictive for liver inflammation by: collecting expression levels of a plurality of candidate toxicity predictive genes in a multiplicity of samples; optionally storing the expression levels as a database on an electronic medium; defining a group of samples to be a training set; defining another group of samples to be a test set; optionally generating additional training and test sets; and selecting a set of genes which are predictive of liver inflammation based on evaluating the training set and the test set in a Predictive Model.

In another aspect, the invention provides a computer program product for predicting liver inflammation, which includes a set of liver inflammation predictive genes derived from mining a database having a plurality of gene expression profiles

indicative of toxicity. In one embodiment, the set of liver inflammation predictive genes includes at least one predictive gene from combination 5, 4, 3, 2, or 1 list.

In another aspect, the invention provides a library of expression profiles of liver inflammation predictive genes produced by the methods disclosed herein.

In another aspect, the invention provides an integrated system for predicting liver inflammation including equipment capable of measuring gene expression profiles of liver inflammation predictive genes from biological samples exposed to a test agent, operably linked to a computer system capable of implementing a predictive model.

Brief Description of the Drawings

Figure 1 is a flow diagram illustrating one embodiment of the present invention for identification of predictive genes.

Figure 2 is a flow diagram illustrating one embodiment of the present invention for evaluating performance of liver inflammation predictive genes.

Figure 3 is a flow diagram illustrating one embodiment of the present invention for predicting toxicity of liver inflammation predictive genes.

Brief Description of the Tables

Table 1 lists compounds, dose levels, liver pathology and abbreviations in the database in accordance with one embodiment of the present invention.

Table 2 lists the distribution of compounds in individual training and test sets for 24 hour liver data in accordance with one embodiment of the present invention.

Table 3 lists the genes whose expression at 24 hour directly correlates with liver inflammation at 72 hour, ranked by Pearson correlation coefficient in accordance with one embodiment of the present invention.

Table 4 lists the genes whose expression at 24 hour inversely correlates with liver inflammation at 72 hour, ranked by Spearman correlation coefficient in accordance with one embodiment of the present invention.

Table 5 lists the predictive genes for 24 hour expression data in accordance with one embodiment of the present invention.

Table 6 lists the randomly selected gene subsets from 24 hour Combo All gene set in accordance with one embodiment of the present invention.

Table 7 lists the randomly selected gene subsets from 24 hour Combos 5, 3, 2 combined in accordance with one embodiment of the present invention

Table 8 lists the randomly selected gene subsets from 24 hour all excluding predictive genes (*i.e.*, excluding Combo All genes) in accordance with one embodiment of the present invention.

Table 9 lists the liver inflammation individual sample prediction values for 24 hour data predictive genes (combined list and subsets) in accordance with one embodiment of the present invention.

Table 10 lists the liver inflammation compound-dose prediction values for 24 hour data predictive genes (combined list and subsets) in accordance with one embodiment of the present invention.

Table 11 lists the liver inflammation compound prediction values for 24 hour data predictive genes (combined list and subsets) in accordance with one embodiment of the present invention.

Table 12 lists the individual gene predictions for Combo 3 in accordance with one embodiment of the present invention.

Table 13 lists the individual gene predictions for Combo 2 in accordance with one embodiment of the present invention.

Table 14 lists the comparison of predictivity for correct liver inflammation classification and random classification using Combo gene sets and random subsets and 24 hour data in accordance with one embodiment of the present invention.

Table 15 lists the distribution of compounds in individual training and test sets for 6 hour liver data in accordance with one embodiment of the present invention.

Table 16 lists the genes whose expression at 6 hours directly correlates with liver inflammation at 72 hours, ranked by Pearson correlation coefficient in accordance with one embodiment of the present invention.

Table 17 lists the genes whose expression at 6 hours inversely correlates with liver inflammation at 72 hours, ranked by Spearman correlation coefficient in accordance with one embodiment of the present invention.

Table 18 lists genes whose expression at 6 hours is predictive of liver inflammation at 72 hours in accordance with one embodiment of the present invention.

Table 19 lists the comparison of predictivity for correct liver inflammation classification and random classification using combo gene sets and 6 hour data in accordance with one embodiment of the present invention.

Table 20 lists the distribution of compounds in individual training and test sets for 72 hour liver data in accordance with one embodiment of the present invention.

Table 21 lists genes whose expression at 72 hours directly correlates with liver inflammation at 72 hours, ranked by Pearson correlation coefficient in accordance with one embodiment of the present invention.

Table 22 lists genes whose expression at 72 hours inversely correlates with liver inflammation at 72 hours, ranked by Spearman correlation coefficient in accordance with one embodiment of the present invention.

Table 23 lists genes whose expression at 72 hours is predictive of liver

inflammation at 72 hours in accordance with one embodiment of the present invention.

Table 24 lists comparison of predictivity for correct liver inflammation classification and random classification using combo gene sets 72 hour data in accordance with one embodiment of the present invention.

Table 25 lists the RCT genes (ESTs) predictive for liver inflammation at 72 hours: best homology matches in accordance with one embodiment of the present invention.

Table 26 lists the genes predictive for liver inflammation, sequences, and accession numbers in accordance with one embodiment of the present invention.

Table 27 lists the liver inflammation predictive genes whose protein products are known to be secreted. The genes are from the table listing all the inflammation predictive genes at the three time points 6, 24, and 72 hours in accordance with one embodiment of the present invention.

Table 28 lists the expression data for the 6 hour timepoint in accordance with one embodiment of the present invention.

Table 29 lists the expression data for the 24 hour timepoint in accordance with one embodiment of the present invention.

Table 30 lists the expression data for the 72 hour timepoint in accordance with one embodiment of the present invention.

Detailed Description

One embodiment of the present invention relates to methods of predicting whether an agent or other stimulus will or is capable of inducing liver inflammation using predictive molecular toxicology analysis. Another embodiment of the present invention provides methods of predicting liver inflammation which comprise analyzing gene and/or protein expression across a number of liver inflammation biomarkers disclosed herein for patterns of expression that are predictive of liver inflammation in the recipient organism. This type of toxicity is significant as a toxic effect of many

chemical agents and is a significant component of adverse reactions to pharmaceuticals and drugs (see, for example, Treinen-Moslen, M. in Casarett and Doull's Toxicology: The Basic Science of Poisons Sixth Edition (C.D. Klaasen, ed.) Chp. 13., McGraw-Hill, New York, 2001). Adverse drug reactions are very often unpredictable, and may occur through acute exposure to the chemical agent or drug or through chronic exposures. For many drugs and chemical agents, inflammatory responses are implicated in amplifying or extenuating the initial toxic damage that occurs in the liver (see, for example, Treinen-Moslen, M., *ibid.*)

Another embodiment of the present invention provides that modulated transcriptional regulation of relatively small sets of certain genes in response to a test agent can accurately predict the occurrence of liver inflammation observed at later time points.

In yet another embodiment, the predictive model utilizes gene expression profiles from sets of liver inflammation predictive gene(s) selected from one of the various liver inflammation predictive gene sets disclosed herein (i.e., Combination 5, 4, 3, 2, or 1), wherein the sets comprise one or more genes there from.

In still another embodiment, the predictive genes and models may be used to identify and evaluate various *in vitro* systems that can be used to accurately predict *in vivo* toxicity and to use the identified *in vitro* systems to accurately predict *in vivo* toxicity.

Provided herein are multiple sets of liver inflammation biomarkers which are useful in the practice of the liver inflammation prediction methods of the invention. In particular, applicants have identified 415 liver inflammation biomarkers which demonstrate utility in predicting liver inflammation. These biomarkers have been thoroughly characterized for their predictive performance, individually as well as in various combinations or subsets thereof. In addition, various optimized subsets of the liver inflammation biomarkers of the invention are disclosed. These sets have also been thoroughly characterized for predictive performance using the methods of the

invention. Among the subsets of liver inflammation genes provided herein are several which demonstrate prediction accuracies in the vicinity of about 85%.

Other embodiments of the present invention are further described by way of the experimental examples provided herein. These examples demonstrate that small sets of genes (i.e., in some instances, as few as 1 biomarker gene) may be used to accurately predict liver inflammation. For example, as further described in the Examples, analysis of mRNA expression of only a few genes can provide an indication of whether a test agent will or will not induce liver inflammation.

The predictive capacity of the methods of the invention have been verified by comparisons with random classifications. Moreover, the methods of the invention are capable of distinguishing between agent dose levels that induce toxicity (typically higher doses) and those doses that are non-toxic. This latter feature is an important component of meaningful toxicological evaluation.

General Techniques: The several embodiments of the present invention employ, unless otherwise indicated, conventional techniques of molecular biology (including recombinant techniques), microbiology, cell biology, biochemistry, nucleic acid chemistry, and immunology, which are well known to those skilled in the art. Such techniques are explained fully in the literature, such as, *Molecular Cloning: A Laboratory Manual*, second edition (Sambrook et al., 1989) and *Molecular Cloning: A Laboratory Manual*, third edition (Sambrook and Russel, 2001), (jointly referred to herein as "Sambrook"); *Current Protocols in Molecular Biology* (F.M. Ausubel et al., eds., 1987, including supplements through 2001); *PCR: The Polymerase Chain Reaction*, (Mullis et al., eds., 1994); Harlow and Lane (1988) *Antibodies, A Laboratory Manual*, Cold Spring Harbor Publications, New York; Harlow and Lane (1999) *Using Antibodies: A Laboratory Manual* Cold Spring Harbor Laboratory Press, Cold Spring Harbor, NY (jointly referred to herein as "Harlow and Lane"), Beaucage et al. eds., *Current Protocols in Nucleic Acid Chemistry* John Wiley & Sons, Inc., New York, 2000) and *Casarett and Doull's Toxicology The Basic Science of Poisons*, C. Klaassen, ed.,

6th edition (2001).

Definitions: Unless otherwise defined, all terms of art, notations and other scientific terminology used herein are intended to have the meanings commonly understood by those of skill in the art to which this invention pertains. In some cases, terms with commonly understood meanings are defined herein for clarity and/or for ready reference, and the inclusion of such definitions herein should not necessarily be construed to represent a substantial difference over what is generally understood in the art. The techniques and procedures described or referenced herein are generally well understood and commonly employed using conventional methodology by those skilled in the art, such as, for example, the widely utilized molecular cloning methodologies described in Sambrook et al., Molecular Cloning: A Laboratory Manual 2nd edition (1989) Cold Spring Harbor Laboratory Press, Cold Spring Harbor, N.Y. As appropriate, procedures involving the use of commercially available kits and reagents are generally carried out in accordance with manufacturer defined protocols and/or parameters unless otherwise noted.

"Toxic" or "toxicity" refers to the result of an agent causing adverse effects, usually by a xenobiotic agent administered at a sufficiently high dose level to cause the adverse effects.

The term "liver inflammation" refers to an inflammatory response of the liver that can be initiated by physical injury, infection, or local immune response and can include local accumulation of fluid, plasma proteins and white blood cells, as well as migration and infiltration of neutrophils, lymphocytes, and other cells of the immune system into regions of damaged liver.

As used herein, the terms "liver inflammation biomarker" and "liver inflammation predictive gene" are used interchangeably and refer to a gene whose expression, measured at the RNA or protein level can predict the likelihood of a liver inflammation response.

A "toxicological response" refers to a cellular, tissue, organ or system level response to exposure to an agent. At the molecular level, this can include, but is not limited to, the differential expression of genes encompassing both the up- and down-regulation of expression of such genes at the RNA and/or protein level; the up- or down-regulation of expression of genes which encode proteins associated with response to and mitigation of damage, the repair or regulation of cell damage; or changes in gene expression due to changes in populations of cells in the tissue or organ affected in response to toxic damage.

An "agent" or "compound" is any element to which an individual can be exposed and can include, without limitation, drugs, pharmaceutical compounds, household chemicals, industrial chemicals, environmental chemicals, other chemicals, and physical elements such as electromagnetic radiation.

The term "biological sample" as used herein refers to substances obtained from an individual. The samples may comprise cells, tissue, parts of tissues, organs, parts of organs, or fluids (e.g., blood, urine or serum). Biological samples include, but are not limited to, those of eukaryotic, mammalian or human origin.

"Sample" is defined for the purposes of prediction as a biological sample and the gene expression data for that sample. Each sample may come from an individual animal. A toxicity classification may also be associated with the sample.

"Gene expression" as used herein refers to the relative levels of expression and/or pattern of expression of a gene. The expression of a gene may be measured at the DNA, cDNA, RNA, mRNA, protein level or combinations thereof.

"Gene expression profile" refers to the levels of expression of multiple different genes measured for the same sample. Gene expression profiles may be measured in a sample, such as samples comprising a variety of cell types, different tissues, different organs, or fluids (e.g., blood, urine, spinal fluid, sweat, saliva or serum) by various methods including but not limited to microarray technologies and quantitative

and semi-quantitative RT-PCR (e.g., Taqman™) techniques, as well as techniques for measuring expression of proteins.

"Individual" refers to a vertebrate, including, but not limited to, a human, non-human primate, mouse, hamster, guinea pig, rabbit, cattle, sheep, pig, chicken, and dog.

As used herein, the terms "hybridize", "hybridizing", "hybridizes" and the like, used in the context of polynucleotides, are meant to refer to conventional hybridization conditions, such as hybridization in 50% formamide/6X SSC/0.1% SDS/100 µg/ml ssDNA, in which temperatures for hybridization are above 37 degrees Celsius and temperatures for washing in 0.1X SSC/0.1% SDS are above 55 degrees Celsius, and preferably to stringent hybridization conditions. The hybridization of nucleic acids can depend upon various factors such as their degree of complementarity as well as the stringency of the hybridization reaction conditions. Stringent conditions can be used to identify nucleic acid duplexes with a high degree of complementarity. Means for adjusting the stringency of a hybridization reaction are well-known to those of skill in the art. See, for example, Sambrook, et al., "Molecular Cloning: A Laboratory Manual," Second Edition, Cold Spring Harbor Laboratory Press, 1989; Ausubel, et al., "Current Protocols In Molecular Biology," John Wiley & Sons, 1996 and periodic updates; and Hames et al., "Nucleic Acid Hybridization: A Practical Approach," IRL Press, Ltd., 1985. In general, conditions that increase stringency (i.e., select for the formation of more closely matched duplexes) include higher temperature, lower ionic strength and presence or absence of solvents; lower stringency is favored by lower temperature, higher ionic strength, and lower or higher concentrations of solvents.

In the context of amino acid sequence comparisons, the term "identity" is used to express the percentage of amino acid residues at the same relative position which are the same. Also in this context, the term "homology" is used to express the percentage of amino acid residues at the same relative positions which are either identical or are similar, using the conserved amino acid criteria of BLAST analysis, as is generally

understood in the art. Further details regarding amino acid substitutions, which are considered conservative under such criteria, are discussed below.

Identification of Liver Inflammation Biomarkers: Generation of Toxicology Gene Expression Databases: The liver inflammation biomarkers described herein were initially identified utilizing a database generated from large numbers of in vivo experiments, wherein the differential expression of approximately 700 rat genes, measured at various time points, in response to multiple toxic compounds inducing various specific toxic responses, as visualized through microscopic histopathological analysis, was quantified, as described in pending United States Patent Application filed January 29, 2002 (serial number 10/060,893). This quantitative gene expression data, as well as corresponding histopathological information, was then subjected to an analytical approach specifically designed to identify genes which not only correlated with the observed histopathology, but also demonstrated an ability to be used in a model capable of accurately predicting the occurrence of the toxic response associated with the observed histopathology. A detailed description of this identification process is presented in the Examples. A flow diagram illustrating how the liver inflammation biomarkers of one embodiment of the present invention were identified is illustrated in Figure 1.

In addition to the database described and utilized herein, other toxicology gene expression databases may be generated, and used to identify additional liver toxicity biomarkers, which may also be employed in the practice of the liver inflammation prediction methods of the invention. Such databases may be generated with test compounds capable of inducing various pathologies indicative of a toxic response in the liver and/or other organs or systems, over different time periods and under different administration and/or dosing conditions, including without limitation hepatocellular necrosis, regenerative proliferation, neoplasia, apoptosis, fibrosis, and cirrhosis. An example of compounds, dose levels, liver toxicity classifications and histopathology scores used in the Examples which follow are provided in Table 1. The compounds and dose levels are abbreviated in the Abbreviation Column. The

Inflammation Score relates the histopathology liver inflammation, a score of "2" or higher indicates histopathology of increasing severity.

Such databases may be generated using organisms other than the rat, including without limitation, animals of canine, murine, or non-human primate species. In addition, such databases may incorporate data derived from human clinical trials and post-approval human clinical experiences. Various methods for detecting and quantitating the expression of genes and/or proteins in response to toxic stimuli may be employed in the generation of such databases, as are generally known in the art. For example, microarrays comprising multiple cDNAs or oligonucleotide probes capable of hybridizing to corresponding transcripts of genes of interest may be used to generate gene expression profiles. Additionally, a number of other methods for detecting and quantitating the expression of gene transcripts are known in the art and may be employed, including without limitation, RT-PCR techniques such as TaqMan®, RNAse protection, branched chain, etc.

Databases comprising quantitative gene expression information preferably include qualitative and quantitative and/or semi-quantitative information respecting the observed toxicological responses and other conventional toxicology endpoints, such as for example, body and organ weights, serum chemistry and histopathology observations, histopathology scores and/or similar parameters.

Identification of Correlating Genes: For the purpose of identifying candidate predictive genes, the database preferably includes histopathology scores for each animal which has been exposed to one or more agent(s). These scores can be assigned based on actual histopathology observations for the tissue and animal or on the basis of effects observed for other animals treated with the same agent and dose level. The scores are numerical scores that reflect the occurrence and severity of histopathological changes. These scores can be adjusted to have similar range to gene expression changes. For example, a score of 1 could be assigned to samples with no changes and scores of 2-8 assigned to increasingly severe changes. Because

the scores are numerical, they are suitable for use with a variety of statistical correlation and similarity measures.

An example of a histopathology scoring system is provided in Example 1. Referring now to Figure 1, histopathology scores may be utilized to identify genes which correlate with the observed toxicological response, using any number of statistical correlation and similarity analysis techniques, including without limitation those correlation or similarity measures described or employed in Example 1 (e.g., Pearson, Spearman, change, smooth, distance etc.). Such correlating genes may be used as predictive gene candidates. Examples of genes whose expression at 24 hours after treatment correlates with histopathology observed at 72h are detailed in Tables 3 and 4. In one embodiment, the correlating gene lists as well as the entire array gene list are used as input gene lists in the GeneSpring™ (Version 4.1, Silicon Genetics, Redwood City, CA) Predict Parameter Values tool (otherwise known hereafter as "Predictive Model").

Class Prediction and Classification: Statistical analysis of the database of gene expression profiles can be affected by utilizing commercially available software programs. In one embodiment, GeneSpring™ is used. Other software programs which can be used for statistical analysis are SAS software packages (SAS Institute Inc., Cary, NC) and S-PLUS® software (Insightful Corporation, Seattle, WA).

Using GeneSpring™ software, class predictions can be made from the genes in the database, as detailed in Example 1, using one or more training and test sets. In one embodiment, five training sets and five test sets are obtained, as shown in Example 1 (Table 2). Liver toxicological classifications are entered for the samples in each training and test set. Compounds that did not elicit histopathology (score =1) are identified as negative for training and test sets. Compounds that elicit histopathology (score of 2 or greater) are identified as positive for training and test sets. Compounds denoted with Low indicates low dose of the compound is administered. Compound denoted with High, indicates high dose of the compound is administered. Compound

abbreviations in Table 2 are defined in Table 1.Toxicological classifications can be defined by the presence or the absence of various pathologies. In yet another embodiment, toxicity observed as inflammation is defined as three classifications (i.e. liver necrosis, liver necrosis with inflammation, or no histopathology (negative)) observed 72 hours after treatment with an agent. In another embodiment, toxicity observed as inflammation is defined as two classifications (i.e. liver inflammation or no inflammation) observed 72 hours after treatment with an agent. However, toxicity can manifest in other liver pathologies such as regenerative proliferation, neoplasia, apoptosis, fibrosis, and cirrhosis. More complex (four or more) classifications can be used in defining multiple pathologies.

Once the training sets have been selected, then predicted classifications of the test set samples are obtained by using k-nearest neighbor (or *knn*) voting procedure. The class in which each of the *knn* is determined and the test sample is assigned to the class with the largest representation after adjusting for the proportion of classifications in the training set. In one embodiment, adjustments are made to account for different proportions of classes in the training set.

Toxicity can also be observed at various time points after exposure to an agent and is not limited to only 72 hour after treatment. A skilled toxicologist can determine the optimal time after exposure to an agent to observe pathology by either what has been disclosed in the art or a stepwise experimentation with time increments, for example 2, 4, 6, 12, 18, 24, 36, 48 hours post-exposure or even longer time increments, for example, days, weeks, or months after exposure to the agent.

Identification of Predictive Genes: Referring now to Figure 1, a description of the process used to identify liver inflammation predictive genes in one embodiment of the present invention is illustrated. According to this embodiment of the present invention, the process is run independently for each time point.

The number of input genes that are to be used in the Predictive Model can be varied, for example 50, 40, 30, 20, 10, 5, 2, or 1 gene(s) can be used. In one

embodiment, at least 50 genes are used.

A gene list is generated comparing high predictive accuracy to the number of genes used. In one embodiment, optimum gene lists for all input gene lists are combined for each training and test set and then these combined lists for all five training and test sets are merged to create an aggregate list of predictive genes. The aggregate list can then be subdivided to smaller lists of genes based on the number of times that the genes occurred on the predictive gene lists for an individual training or test set. The resulting gene lists are designated herein as Combo 5, 4, 3, 2, or 1 lists. The genes that were predictive in all 5 training and test sets are designated as Combo 5 and the genes that were predictive in 4 of 5 training and test sets are designated as Combo 4 and so forth. Table 26 presents gene names, accession numbers and sequence information for the liver inflammation predictive genes found by analysis of the database in the manner described above in accordance with one embodiment of the present invention. Each of these genes has been demonstrated to contribute to predictive performance for at least one input gene list and training/test set and one time point. Table 25 lists homologous genes for the RCT sequences that were identified by BLAST search using the GeneBank NR database as the target database. Referring now to Table 25, homologies are given from Blast searches using Phase 1/RCT sequence as the query sequence and GeneBank NR database as the target sequence database in accordance with one embodiment of the present invention. The best Blast homology sequence observed is given. In general, no significant homology indicates that no Blast match was observed with a BIT score > 100.

Evaluation of Predictive Genes for Liver Inflammation: The predictive genes are evaluated for predictive performance as illustrated in Figure 2. For each gene list prediction, a table of data is generated using the Predictive Model which includes: the test set containing information about the actual call (*i.e.*, negative, necrosis with inflammation, necrosis), the predicted call (*i.e.*, negative, necrosis with inflammation, necrosis), and the P-value cutoff ratio. Expression data that can be used with the K-nearest neighbor model and predictive genes to enable one skilled in the art to make

predictions are given in Tables 28-30.

Referring now to Table 28, gene expression data for 6 hour timepoint are presented as mean ratio of treatment/control for all 6 hour predictive genes as presented in Table 18.

Referring now to Table 29, gene expression data for 24 hour timepoint are presented as mean ratio of treatment/control for all 24 hour predictive genes as presented in Table 5.

Referring now to Table 30, (1) gene expression data for 72 hour timepoint are presented as mean ratio of treatment/control for all 72 hour predictive genes as presented in Table 23. (2) Compound Dose indicates that compound and dose abbreviations are defined in Table 1. (3) Animal Number indicates the number of the individual animal in which the compound is tested. (4) Liver inflammation toxicity classification information as for compound-dose group at 72 h: yes -necr, indicates that necrosis was observed; yes-both, indicates that necrosis with inflammation was observed; no, indicates that no histopathology was observed. (5) Gene name is the Predictive gene (as in Table 23 and as included in Table 26).

The combined list of predictive genes or alternatively, Combo 5, 4, 3, 2, or 1 list or subsets thereof is used as input into the Predictive Model. As an external verification of the predictive abilities of the genes found to be predictive for liver inflammation, random lists of genes may be generated and also used as input into the Predictive Model. Example 2 describes the evaluation of the predictive performance of the liver inflammation predictive genes.

Predictive performance may also be assessed using data from different time points after exposure to the agent. In one embodiment, 24 hour expression data is used. In another embodiment, 6 hour expression data is used, as described in Examples 3 and 4. In another embodiment, 72 hour expression data is used, as described in Example 5 and 6. As illustrated in Table 9, the predictive accuracy using

24 hour expression data and the largest predictive gene list is about 86%.

Somewhat lower predictive accuracies were observed for the 6h and 72 h data. All of the combo lists as well as Combo All list had significantly higher accuracy than using random classifications.

Predictive performance may also be assessed using subsets of genes from the different Combo lists. As indicated in Example 2, most randomly selected subsets of the Combo gene lists yielded predictive performances of about 70% or greater and even individual genes had mean predictive accuracies that were often greater than about 70%. In one embodiment, using 10 genes from Combo All yields about 84% accuracy. Using different Combo lists may require a greater number of genes to reach the same accuracy level.

The liver inflammation predictive genes disclosed herein and liver inflammation predictive genes identified by using methods disclosed herein are useful for predicting liver inflammation in response to exposure to one or more agents.

The discovery that relatively small sets of different genes have predictive value permits flexible applications. The choice of how many and which genes to use can be tailored to a variety of different purposes. Predictivity is observed for sets of a few genes. These small sets may be particularly advantageous in applications where measurement of only a few RNA species has considerable advantages in terms of sample processing logistics, speed and cost. These applications would include relatively high throughput screens for predictive capability. An example of this would be an early screen using small samples of primary cells or cultured cell lines that can be processed with automated robotic equipment for treatment and isolation of RNA followed by efficient technologies for measuring expression of a few RNA species such as branched chain technology or RT-PCR.

The use of larger numbers of predictive genes provides redundancy which may improve accuracy and precision. Applications using larger numbers of predictive

genes may include, for example, tests of drug candidates at later stages of commercial development. In this regard, larger numbers of predictive genes may be desirable at later stages of preclinical development of a therapeutic candidate, where *in vivo* samples can be obtained and more comprehensive methods such as microarray measurement of gene expression are appropriate. The larger gene sets can also include different subsets of genes which may offer more insight into potential mechanisms of toxicity, providing the potential to predict long term toxic consequences such as chronic, irreversible toxicity or carcinogenicity.

Some genes within the liver inflammation predictive gene sets provided herein may also be suitable for prediction of toxicity in other organs or may be preferable for predicting toxicity for wider ranges of timepoints or treatment routes or regimens. As an example of the latter, some of the predictive genes are observed at three different timepoints after treatment. These genes may be useful for prediction in cases where the samples come from treatment protocols that have different measurement timepoints or routes of administration than those employed for the database used in the discovery of the predictive genes disclosed herein or where the toxicokinetics for a particular agent are known or suspected to be different from those in the database.

In one embodiment, the agent is an agent for which no expression profile has been assessed or stored in the database or library. An animal, e.g., rat, is dosed with such an agent and the gene expression profile(s) is the test set for the Predictive Model. The training set which is used in the Predictive Model in this case can be the entire database of sample array data because the test set data is not present in the database. The prediction can be made with accuracy without the use of histopathology scores as part of the input into the Predictive Model.

In another embodiment the agent is an agent present in the database but is used at a different dose level or with a different treatment protocol than used in the database. The training set which is used in the Predictive Model in this case can be the entire database of sample array data because the test set data is not present in

the database. Again, the prediction can be made with accuracy without the use of histopathology scores as part of the input into the Predictive Model.

In another embodiment, the exposure time of the agent is other than 6, 24, or 72 hours, or repeat dosing protocols are used. In this case, the skilled artisan can use the predictive toxicity genes from surrounding time points to extrapolate the predicted toxicity without undue experimentation. For example, if the individual has been exposed to the agent for 12 hours, then predictive genes from 6 and 24 hours timepoints are used as guidelines for extrapolating toxicity predictions.

In another embodiment, the liver inflammation predictive genes and a predictive model can be used to determine the presence or absence of a no-observed toxicity effect level. An agent can be used at different treatment levels and expression profiles obtained for each treatment level. The predictive genes and predictive model can be used to determine which dose levels elicit a response that is predicted to be toxic and which dose levels are not toxic. In contrast to conventional endpoints for determining no-effect levels, the use of expression data, predictive genes and predictive models applies a number of quantitative endpoints and criteria instead of subjective endpoints and criteria. This permits more rigorous and precisely defined determination of no effect levels.

In another embodiment, the liver inflammation predictive genes can be used to detect toxic effects that may be manifested as long lasting or chronic consequences such as irreversible toxicity or carcinogenesis. The predictive genes and model can be applied to databases where classifications of training and test set samples are made with respect to actual or putative endpoints such as irreversible toxicity or carcinogenicity.

In another embodiment, the predictive genes can be used in a variety of alternative models to predict liver inflammation. Some of these models do not require the direct use of data in a database but use functions or coefficients derived from the database. In another embodiment, the predictive genes and models may be used to

evaluate *in vitro* systems for their ability to reflect *in vivo* toxic events and to use such *in vitro* systems for predicting *in vivo* toxicity. Expression profiles for predictive genes can be created from candidate *in vitro* assays using treatments with agents of known *in vivo* toxicity and for which *in vivo* data on gene expression are available. The expression data and predictive models of this invention can be used to determine whether the *in vitro* assay system has predictive gene expression responses that accurately reflect the *in vivo* situation. Large sets of predictive genes as described in one embodiment of the present invention can be tested in such models for their suitability and performance with the candidate *in vitro* systems. This is a superior and novel tool for evaluating and optimizing *in vitro* systems for their ability to reflect and accurately predict *in vivo* responses.

In another embodiment, the predictive genes and models may be used with an *in vitro* system to accurately predict *in vivo* toxicity. *In vitro* systems that have been evaluated and optimized as described above are treated with test agents and expression profiles are measured for predictive genes. The expression profiles are used in conjunction with a predictive model to predict *in vivo* toxicity. In this embodiment, there can be considerable reduction in the use of laboratory animals. Additionally the application of this embodiment to *in vitro* human systems can provide a unique capability to accurately predict human toxic responses without human *in vivo* exposure or treatment.

In another embodiment, measurement of the expression levels of the proteins encoded by the predictive genes can be used in conjunction with predictive models to predict toxicity. Among the full set of liver inflammation predictive genes are various genes known to encode cell surface, secreted and/or shed proteins. This enables the development of methods for predicting toxicity using protein biomarkers. For example, as disclosed in Table 27, there are 39 genes in the master predictive set which are known to encode secreted proteins. The protein products are easier to access since they are secreted into body fluids and are thus more amenable to be quantified. Thus, in another aspect of the present invention, liver inflammation predictive assays which

detect the expression of one or more of said predictive proteins may be developed. Such assays may have several advantages, such as:

Ability to use archived tissue specimens such as preserved or embedded tissues which are not suitable for measurement of RNA expression.

Ability to examine predictive protein expression in tissue slides using *in situ* labeling and microscopic observation. This is useful for detecting predictive toxicity signals occurring in very small sub-populations of cells.

Ability to detect protein markers in specimens that can be readily obtained with little or no invasiveness (e.g., blood, urine, sweat, saliva).

Reduction in animal use in laboratory studies such that no sacrifice of animals necessary to obtain tissue specimens when toxicity prediction can be made with specimens that can be obtained without animal sacrifice or surgery.

Application for human use where tissue specimens cannot be obtained or are only obtained with great difficulty.

In another embodiment, the identified predictive genes can be considered as potential therapeutic targets when the genes are involved in toxic damage or repair responses whose expression or functional modification may attenuate, ameliorate or eliminate disease conditions or adverse symptoms of disease conditions.

In another embodiment the predictive genes can be organized into clusters of genes that exhibit similar patterns of expression by a variety of statistical procedures commonly used to identify such coordinate expression patterns. Common functional properties of these clustered genes can be used to provide insight into the functional relationship of the response of these genes to toxic effects. Common genetic properties of these genes (e.g., common regulatory sequences) may provide insight into functional aspects by revealing known or novel similarities in the coding region of the genes. The presence of common known or novel signal transduction systems that

regulate expression of the genes can also provide functional insight. The presence of common known or novel regulatory sequences in the identified predictive genes can also be used to identify additional liver inflammation predictive genes.

In yet another embodiment, the liver inflammation predictive genes can be used to predict toxicity responses in other species, for example, human, non-human primate, mouse, hamster, guinea pig, hamster, rabbit, cattle, sheep, pig, chicken, and dog. Some members of the liver inflammation predictive genes may also be more suitable for prediction of toxicity in species other than the species used to derive the database (rat in the case of the examples provided). One method for identifying such genes involves examining DNA sequence databases to identify and characterize orthologous sequences to the predictive genes in the target species. One of skill in the art can examine the orthologous sequences for similarity in amino acid coding regions and motifs as well as for similarities in regulatory regions and motifs of the gene.

In another embodiment, liver inflammation predictive genes or gene sequences are used for screening other potential toxicity predictive genes or gene sequences in other species or even within the same species using methods known in the art. See, for example, Sambrook supra. Gene sequences which hybridize under stringent conditions to the liver inflammation predictive gene sequences disclosed herein may Additionally, genes which be selected as potential toxicity predictive genes. demonstrate significant homology with the liver inflammation predictive genes disclosed herein (preferably at least about 70%) may be selected as toxicity predictive It is understood that conservative substitutions of amino acids are gene candidates. possible for gene sequences which have some percentage homology with the liver inflammation predictive gene sequences of this invention. A conservative substitution in a protein is a substitution of one amino acid with an amino acid with similar size and charge. Groups of amino acids known normally to be equivalent are: (a) Ala, Ser, Thr, Pro, and Gly; (b) Asn, Asp, Glu, and Gln; (c) His, Arg, and Lys; (d) Met, Glu, Ile, and Val: and (e) Phe, Tyr, and Trp.

It is understood that the predictive liver inflammation genes can be used as guides to predicting toxicity for agents that have been administered via different routes (intraperitoneal, intravenous, oral, dermal, inhalation, mucosal, etc.) from the routes that were used to generate the database or to identify the liver inflammation predictive genes. Furthermore, the invention is not intended to be limiting to agents that have been administered at different dosages than the agents that were used to generate the database or to identify the predictive liver inflammation genes.

Data described in the examples were generated using the microarray technology disclosed in the Examples. However, the invention is not dependent on using this particular platform. Other similar gene expression analysis technologies may be incorporated in the practice of this invention. These can include, but are not limited to, other arrays containing the predictive genes, RT-PCR (e.g., TaqMan®), branched chain technology, RNAse protection or any other method which quantitatively detects the expression of RNA polynucleotides. Embodiments of the present invention can be practiced using these other technologies by generating a database of expression measurements for the predictive genes using samples such as those used in the database described in Example 1. This database can then be used in a model such as the K-nearest neighbor model or can be used to develop any of a number of other models.

The following Examples are provided to illustrate but not to limit the invention in any manner.

EXAMPLES

Example 1 Database of Compounds and Liver Inflammation: Compounds and treatments list used to construct the liver database are given in Table 1. This table also provides the evaluation of the liver inflammation observed in samples collected 72 hours after treatment.

Sprague Dawley rats Crl:CD from Charles River, Raleigh, NC were divided into treated rats that receive a specific concentration of the compound (see Table 1) and

the control rats that only received the vehicle in which the compound is mixed (e.g., saline).

At specified timepoints (6h, 24h and 72h) after administration (intraperitoneal route) of the compound, a set number of rats (usually 3 control and 3 treated) were euthanized and tissues collected. Each rat was heavily sedated with an overdose of CO₂ by inhalation and a maximum amount of blood drawn. Exsanguination of the rat by this drawing of blood kills the rat. The method of collecting the tissues is very important and ensures preserving the quality of the mRNA in the tissues. The body of the rat was then opened up and prosectors rapidly removed the tissues (including liver) and immediately placed them into liquid nitrogen. All of the organs/tissues were completely frozen within 3 minutes of the death of the animal to ensure that mRNA did not degrade. The organs/tissues were then packaged into well-labeled plastic freezer quality bags and stored at –80 degrees until needed for isolation of the mRNA from a portion of the organ/tissue sample.

Isolating DNA/RNA from animal tissues or cells: Total RNA was isolated from liver tissue samples using the following materials: Qiagen RNeasy midi kits, 2-mercaptoethanol, liquid N_2 , tissue homogenizer, dry ice samples were kept on ice when specified.

If a tissue needed to be broken, then the tissue sample was placed on a double layer of aluminum foil which was then placed within a weigh boat containing a small amount of liquid nitrogen. The aluminum foil was folded around the tissue and then struck by a small foil-wrapped hammer to administer mechanical stress forces.

About 0.15-0.20 g of liver tissue was weighed out and placed in a sterile container. To preserve integrity of the RNA, all tissues were kept on dry ice when other samples were being weighed. A RLT (Qiagen®) buffer was added to the sample to aid in the homogenization process. The tissue was homogenized using commercially available homogenizer (IKA Ultra Turrax T25 homogenizer) with the 7 mm microfine sawtooth shaft and generator (195 mm long with a processing range of 0.25 ml to 20 ml, item #

372718). After homogenization, samples were stored on ice until all samples were homogenized. The homogenized tissue sample was spun to remove nuclei thus reducing DNA contamination. The supernatant of the lysate was then transferred to a clean container containing an equal volume of 70% EtOH in DEPC treated H₂O and mixed. RNA was isolated by putting the supernatant through an RNeasy spin column, washed, and subsequently eluted. Small quantities of remaining DNA were removed by use of DNase enzyme during the RNA isolation procedure following the instructions provided by Qiagen and alternatively by lithium chloride (LiCl) precipitation following the RNA isolation. The isolated RNA pellet was stored in Rnase-free water or in an RNA storage buffer (10 mM sodium citrate), Ambion Cat #7000. The RNA amount was then quantitated using a spectrophotometer.

Rat 700 CT chip: Gene expression data was generated from a microarray chip that has a set of toxicologically relevant rat genes which are used to predict toxicological responses. The rat 700 CT gene array is disclosed in pending U.S. applications 60/264,933; 60/308,161; and pending application filed on January 29, 2002 (serial number 10/060,893).

Microarray RT reaction: Fluorescence-labeled first strand Cdna probe was made from the total RNA or Mrna isolated from livers of control and treated rats. This probe was hybridized to microarray slides spotted with DNA specific for toxicologically relevant genes. The materials needed are: total or messenger RNA, primer, Superscript II buffer, dithiothreitol (DTT), nucleotide mix, Cy3 or Cy5 dye, Superscript II (RT), ammonium acetate, 70% EtOH, PCR machine, and ice.

The volume of each sample that would contain 20µg of total RNA (or 2µg of Mrna) was calculated. The amount of DEPC water needed to bring the total volume of each RNA sample to 14 µl was also calculated. If RNA was too dilute, the samples were concentrated to a volume of less than 14 µl in a speedvac without heat. The speedvac must be capable of generating a vacuum of 0 Milli-Torr so that samples can freeze dry under these conditions. Sufficient volume of DEPC water was added to bring the total

volume of each RNA sample to 14 μ l. Each PCR tube was labeled with the name of the sample or control reaction. The appropriate volume of DEPC water and 8 μ l of anchored oligo Dt mix (stored at -20° C) was added to each tube.

Then the appropriate volume of each RNA sample was added to the labeled PCR tube. The samples were mixed by pipeting. The tubes were kept on ice until all samples are ready for the next step. It is preferable for the tubes to kept on ice until the next step is ready to proceed. The samples were incubated in a PCR machine for 10 minutes at 70°C followed by 4°C incubation period until the sample tubes were ready to be retrieved. The sample tubes were left at 4°C for at least 2 minutes.

The Cy dyes are light sensitive, so any solutions or samples containing Cy-dyes should be kept out of light as much as possible (e.g., cover with foil) after this point in the process. Sufficient amounts of Cy3 and Cy5 reverse transcription mix were prepared for one to two more reactions than would actually be run by scaling up the following:For labeling with Cy3:

8 ul 5x First Strand Buffer for Superscript II, ul 0.1 M DTT, 2 ul Nucleotide Mix, 2 ul of 1:8 dilution of Cy3 (e.g.,, 0.125Mm cy3Dctp), and 2 ul Superscript II

For labeling with Cy5.

8 ul 5x First Strand Buffer for Superscript II, 4 ul 0.1 M DTT, 2 ul Nucleotide Mix, 2 ul of 1:10 dilution of Cy5 (e.g.,, 0.1Mm Cy5Dctp), and 2 ul Superscript II

About 18 µl of the pink Cy3 mix was added to each treated sample and 18 µl of the blue Cy5 mix was added to each control sample. Each sample was mixed by pipeting. The samples were placed in a DNA engine (PTC-200 Petier Thermal Cycler, MJ Research) for 2 hours at 45°C followed by 4°C until the sample tubes were ready to be retrieved.

In addition to the desired cDNA product, the completed RT reaction contained impurities that must be removed. These impurities included excess primers, nucleotides, and dyes. The primary method of removing the impurities was by following the instructions in the QIAquick PCR purification kit (Qiagen cat#120016).

Alternatively, the completed RT reactions were cleaned of impurities by ethanol precipitation and resin bead binding. The samples from DNA engine were transferred to Eppendorf tubes containing 600 µl of ethanol precipitation mixture and placed in – 80°C freezer for at least 20-30 minutes. These samples were centrifuged for 15 minutes at 20800 x g (14000 rpm in Eppendorf model 5417C) and carefully the supernatant was decanted. A visible pellet was seen (pink/red for Cy3, blue for Cy5). Ice cold 70% EtOH (about 1 ml per tube) was used to wash the tubes and the tubes were subsequently inverted to clean tube and pellet. The tubes were centrifuged for 10 minutes at 20800 x g (14000 rpm in Eppendorf model 5417C), then the supernatant was carefully decanted. The tubes were air dried for about 5 to 10 minutes, protected from light. When the pellets were dried, they were resuspended in 80 ul nanopure water. The cDNA/mRNA hybrid was denatured by heating for 5 minutes at 95°C in a heat block and flash spun. Then the lid of a "Millipore MAHV N45" 96 well plate was labeled with the appropriate sample numbers. A blue gasket and waste plate (vbottom 96 well) was attached. About 160 µl of Wizard DNA Binding Resin (Promega cat#A1151) was added to each well of the filter plate that was used. Probes were added to the appropriate wells (80 µl cDNA samples) containing the Binding Resin. The reaction is mixed by pipeting up and down ~10 times. The plates were centrifuged at 2500 rpm for 5 minutes (Beckman GS-6 or equivalent) and then the filtrate was decanted. About 200 µl of 80% isopropanol was added, the plates were spun for 5 minutes at 2500 rpm, and the filtrate was discarded. Then the 80% isopropanol wash and spin step was repeated. The filter plate was placed on a clean collection plate (v-bottom 96 well) and 80 μl of Nanopure water, pH 8.0-8.5 was added. The pH was adjusted with NaOH. The filter plate was secured to the collection plate and after 5 minutes was centrifuged for 7 minutes at 2500 rpm.

Purification of Cy –Dye Labeled cDNA: To purify fluorescence-labeled first strand cDNA probes, the following materials were used: Millipore MAHV N45 96 well plate, v-bottom 96 well plate (Costar), Wizard DNA binding Resin, wide orifice pipette tips for 200 to 300 µl volumes, isopropanol, nanopure water. It is highly preferable to keep the

plates aligned at all times during centrifugation. Misaligned plates lead to sample cross contamination and/or sample loss. It is also important that plate carriers are seated properly in the centrifuge rotor.

The lid of a "Millipore MAHV N45" 96 well plate was labeled with the appropriate sample numbers. A blue gasket and waste plate (v-bottom 96 well) was attached. Wizard DNA Binding Resin (Promega cat#A1151) was shaken immediately prior to use for thorough resuspension. About 160 µl of Wizard DNA Binding Resin was added to each well of the filter plate that was used. If this was done with a multichannel pipette, wide orifice pipette tips would have been used to prevent clogging. It is highly preferable not to touch or puncture the membrane of the filter plate with a pipette tip. Probes were added to the appropriate wells (80 µl cDNA samples) containing the Binding Resin. The reaction is mixed by pipeting up and down ~10 times. It is preferable to use regular, unfiltered pipette tips for this step. The plates were centrifuged at 2500 rpm for 5 minutes (Beckman GS-6 or equivalent) and then the filtrate was decanted. About 200 µl of 80% isopropanol was added, the plates were spun for 5 minutes at 2500 rpm, and the filtrate was discarded. Then the 80% isopropanol wash and spin step was repeated. The filter plate was placed on a clean collection plate (v-bottom 96 well) and 80 µl of Nanopure water, pH 8.0-8.5 was added. The pH was adjusted with NaOH. The filter plate was secured to the collection plate with tape to ensure that the plate did not slide during the final spin. The plate sat for 5 minutes and was centrifuged for 7 minutes at 2500 rpm. Replicates of samples should be pooled.

Dry-down Process: Concentration of the cDNA probes is preferable so that they can be resuspended in hybridization buffer at the appropriate volume. The volume of the control cDNA (Cy-5) was measured and divided by the number of samples to determine the appropriate amount to add to each test cDNA (Cy-3). Eppendorf tubes were labeled for each test sample and the appropriate amount of control cDNA was allocated into each tube. The test samples (Cy-3) were added to the appropriate tubes. These tubes were placed in a speed-vac to dry down, with foil covering any

windows on the speed vac. At this point, heat (45°C) may be used to expedite the drying process. Samples may be saved in dried form at -20°C for up to 14 days.

Microarray Hybridization: To hybridize labeled cDNA probes to single stranded, covalently bound DNA target genes on glass slide microarrays, the following material were used: formamide, SSC, SDS, 2 μm syringe filter, salmon sperm DNA (Sigma, cat # D-7656), human Cot-1 DNA (Life Technologies, cat # 15279-011), poly A (40 mer: Life Technologies, custom synthesized), yeast tRNA (Life Technologies, cat # 15401-04), hybridization chambers, incubator, coverslips, parafilm, heat blocks. It is preferable that the array is completely covered to ensure proper hybridization.

About 30 μ l of hybridization buffer was prepared per cDNA sample (control rat cDNA plus treated rat cDNA). Slightly more than is what is needed should be made since about 100 μ l of the total volume made for all hybridizations can be lost during filtration.

Hybridization Buffer:	for 100 μl:
• 50% Formamide	50 μl formamide
• 5X SSC	25 μl 20X SSC
• 0.1% SDS	25 µl 0.4% SDS

The solution was filtered through 0.2 μm syringe filter, then the volume was measured. About 1 μl of salmon sperm DNA (10mg/ml) was added per 100 μl of buffer.

Alternatively, the hybridization buffer was made up as:

Hybridization Buffer:50% Formamide	for 101 μi: 50 μl formamide
• 10X SSC	50 μl 20X SSC
• 0.2% SDS	1 µl 20% SDS

The solution was filtered through 0.2 μm syringe filter, then the volume was measured. One microliter of salmon sperm DNA (9.7mg/ml), 0.5 μl Human Cot-1 DNA

 $(5 \mu g/\mu l)$, 0.5 μl poly A $(5 \mu g/\mu l)$, 0.25 μl Yeast tRNA $(10 \mu g/\mu l)$ was added per 100 μl of buffer. The hybridization buffers were compared in validation studies and there was no change in differential gene expression data between the two buffers.

Materials used for hybridization were: 2 Eppendorf tube racks, hybridization chambers (2 arrays per chamber), slides, coverslips, and parafilm. About 30 μ l of nanopure water was added to each hybridization chamber. Slides and coverslips were cleaned using N₂ stream. About 30 μ l of hybridization buffer was added to dried probe and vortexed gently for 5 seconds. The probe remained in the dark for 10-15 minutes at room temperature and then was gently vortexed for several seconds and then was flash spun in the microfuge. The probes were boiled or placed in a 95 °C heat block for 5 minutes and centrifuged for 3 min at 20800 x g (14000 rpm, Eppendorf model 5417C). Probes were placed in 70 °C heat block. Each probe remained in this heat block until it was ready for hybridization.

About 25 μ l was pipeted onto a coverslip. It is highly preferable to avoid the material at the bottom of the tube and to avoid generating air bubbles. This may mean leaving about 1 μ l remaining in the pipette tip. The slide was gently lowered, face side down, onto the sample so that the coverslip covered that portion of the slide containing the array. Slides were placed in a hybridization chamber (2 per chamber). The lid of the chamber was wrapped with parafilm and the slides were placed in a 42°C humidity chamber in a 42°C incubator. It is preferable to not let probes or slides sit at room temperature for long periods. The slides were incubated for 18-24 hours.

Post-Hybridization Washing: To obtain only single stranded cDNA probes tightly bound to the sense strand of target cDNA on the array, all non-specifically bound cDNA probe should be removed from the array. Removal of all non-specifically bound cDNA probe was accomplished by washing the array and using the following materials: slide holder, glass washing dish, SSC, SDS, and nanopure water. Six glass buffer chambers and glass slide holders were set up with 2X SSC buffer heated to 30-34°C and used to fill up glass dish to 3/4th of volume or enough to submerge the

microarrays. The slides were placed in 2X SSC buffer for 2 to 4 minutes while the cover slips fall off. The slides were then moved to 2X SSC, 0.1% SDS and soaked for 5 minutes. The slides were transferred into 0.1X SSC and 0.1% SDS for 5 minutes. Then the slides are transferred to 0.1X SSC for 5 minutes. The slides, still in the slide carrier, were transferred into nanopure water (18 megaohms) for 1 second. To dry the slides, the stainless steel slide carriers were placed on micro-carrier plates and spun in a centrifuge (Beckman GS-6 or equivalent) for 5 minutes at 1000 rpm.

The washed and dried hybridized slides were scanned on Axon Instruments Inc. GenePix 4000A MicroArray Scanner and the fluorescent readings from this scanner converted into quantitation files (.gpr) on a computer using GenePix software.

Array Data, Normalization and Transformation: GeneSpringTM software (Version 4.1, Silicon Genetics) was used for statistical analyses including identification of genes expressions correlating with histopathology scores, K-means and tree cluster analysis, and predictive modeling using the k nearest neighbor (Predict Parameter Values tool).

Microarray data were loaded into GeneSpring[™] software for analysis as GenePix files as above. Specific data loaded into GeneSpring[™] software included gene name, GenBank ID control channel mean fluorescence and signal channel mean fluorescence. Expression ratio data (ratio of signal to control fluorescence) were normalized using the 50th percentile of the distribution of all genes and control channel. Ratio data were excluded from analysis if the control channel value was <0. For analysis of correlations and predictive values gene expression ratios were transformed as the log of the ratio.

Correlation with Histopathology Scores: Histopathology scores for each animal (assigned on a compound-dose basis as indicated in Table 1) were entered with gene expression data by using the GeneSpring™ 'Drawn Gene' function. Correlations between inflammation histopathology scores and gene expression were conducted with the distance measures listed below:

standard positive and negative correlation

smooth positive and negative correlation positive correlation upregulated positive correlation positive and negative correlation positive and negative correlation distance positive correlation

These correlation or similarity measures are standard statistical correlation measures that are described in the GeneSpring Advanced Analysis Techniques Manual (Release Date March 13, 2001, Silicon Genetics). Where both positive and negative correlations were obtained combined positive and negative correlating gene lists were also created.

The Predict Parameter Values tool in GeneSpring™ software was used for liver inflammation class prediction. The following is a summary of the procedure used in the GeneSpring predictive software. This is described in GeneSpring Advanced Analysis Techniques Manual (Release Date March 13, 2001, Silicon Genetics) with additional information supplied by Silicon Genetics and a statistical expert. The prediction tool relies on standard statistical procedures that can be implemented in a variety of statistical software packages.

Gene Selection: The first step is variable selection of genes to be used for prediction. This entails taking a single gene and a single class (e.g., liver inflammation) and creating a contingency table. In the table below, columns 1 through N of the table each represent one possible cutoff point based on the gene expression level (ratio of signal/control) for that class. The number of possible cutoffs is less than or equal to the total number of samples for the class (e.g., A). It is possibly less than the total number, since there may be ties in gene expression level. Hence, N, M, and X may or may not be distinct. In the example, an n-class problem is illustrated, where X and X entries are the class counts at that gene expression cutoff level, for that specific gene and class, either above ("a") or below ("b") the cutoff. "Class1" is the set of all samples (above or below) the cutoff for Class1, and "!Class1" are all those not in Class1 (above or below) the cutoff, and similarly for the other classes. The class

totals in the training set are the total class marginals used to compute Fisher's exact test.

For a specific gene, and for each class, the best p-value as calculated by Fisher's Exact Test for independence between one of the pair of columns (e.g., 1a and 1b) and the actual class totals (e.g., A) is used to score the gene (-ln(p) = the score) for that class. Thus, there are N (or, M, Q etc.) contingency tables, where the best score of the N tables is used for that class and gene. If there is a wide disparity between the above and below counts in either the a or b column (this is a two-sided Fisher's Exact Test), the smaller the p-value and the higher the score.

The genes per class are rank ordered by the most discriminating (highest) score. The predictivity list is composed of the most discriminating genes per class. Namely, genes are combined that best discriminate class 1 with those that best discriminate class 2 and so on. The genes are selected in rotation of the highest score per class. Duplicate genes are ignored in the rotation and not added to the list, the gene with the next highest score is taken.

The training samples now have only the gene list garnered from the above procedure. As an example, where once the training samples may have had an initial list of 200 genes per sample, they now have only a subset composed of the gene list, say, 60 (the number of predictivity genes specified) that are selected from the initial list by the gene selections procedure. Thus, each sample is a vector of 60 normalized expression ratios. Since the selection of genes is done in rotation, for 2 classes, the list contains 30 genes for class one, and 30 genes for class two. For 3 classes the list contains 20 genes for class one, 20 for class two, and 20 for class three, etc. The matrix below illustrates the basic features of this gene selection process.

Gene 1	1a	1b		Na	Na	
Class	Expression above	Expression below		Expression above	Expression below	Actual Class Totals (Marginals)
Class1	x1.1a	x1.1b	•••	x1.Na	x1.Nb	Α

!Class1	y1.1a	y1.1b	 y1.Na	y1.Nb	В
Gene 1	1	2	 M		
Class2	x1.2a	x1.2b	 x1.Ma		С
!Class2	y1.2a	y1.2b	 y1.Ma		D
			 ·		•
Gene 1	1	2	 Qa	Qb	
Classn	x1.na	x1.nb	 x1.Qa	x1.Qb	X
!Classn	y1.na	y1.nb	 y1.Qa	y1.Qb	Y

After the genes to be used in the training set have been selected, the test set is classified based on the k-nearest neighbor (knn) voting procedure. Using just those genes in the gene list, for each sample in the test set of samples, the k nearest neighbors in the training set are found with the Euclidean distance. The class in which each of the k nearest neighbors is determined, and the test set sample is assigned to the class with the largest representation in the k nearest neighbors after adjusting for the proportion of classes in the training set.

For example, in a two-class problem, let there be 30 samples of class 1 and 60 samples of class 2 in the training set. With k = 9 say it can be determined that 7 of the nearest neighbors to a sample from the testing set are in class 1. The sample can then be classified as being a member of class 1. If another sample from the test set has a total of 4 nearest neighbors in class 1, after adjusting for the proportion, this sample would be assigned to class 1 rather than class 2, even though the majority vote suggests assignation to class 2.

The decision threshold is a mechanism to help clearly define the class into which the sample will fall, and can be set to reject classification if the voting is very close or tied. (Thus, k can be even for two-class problems without worrying about the tie problem.) A p-value is calculated for the proportion of neighbors in each class against the proportions found in the training set, again using Fisher's exact test, but now a one-sided test.

For example, let k = 11, if the proportion of neighbors of class 1 in the test set is

6/11, and the proportion of class 1 in a 100 sample training set is 0.4, the *p*-value calculated is 0.29 (half the two-sided test). If the proportion in the training set is 0.1, the *p*-value is 0.004. The smaller the *p*-value the greater the likelihood that the sample from the testing set belongs to that class.

A p-value ratio (P-value) is set as a way of setting the level of confidence in individual sample predictions based on the ratio of p-values for the best class (lowest p-value) versus the second best class (second lowest p-value). For example, if the P-value is set at 0.5 and the ratio of p-values for a particular sample is 0.6, then the predictive model will not make a call for that sample.

Data were each separated into 5 training and test sets by randomly distributing the compounds into the sets. This was accomplished by assigning random numbers to lists of compounds that are negative and positive for histopathology, sorting by random number, and then dividing the sorted lists into a specific number of training and test sets. The training and test set assignments are presented in Table 2.

Liver inflammation classifications were entered for training and test set as a parameter column. Toxicity, as defined by observation of liver necrosis or necrosis with inflammation at 72 hours after treatment, was entered as "negative", "positive-necrosis", or "positive-necrosis with inflammation" for each animal in a compound-dose group. Additionally, a parameter column for random histopathology classification was designated. This was done by randomly assigning the same number of "negative", "positive-necrosis", or "positive-necrosis with inflammation" calls to the individual animals.

The "Predict Parameter Value" tool of GeneSpring was used with each of the training and test sets to generate predictions of histopathology classifications of the test sets. The number of k nearest neighbors was optimized to give the highest predictive accuracy. This was done by first running predictions at different nearest neighbors for three of the training and test sets, and then evaluating the overall predictive performance for each number of nearest neighbors. A P-value ratio cutoff of

0.5 was used. The number of genes used to predict was varied with standard numbers of 50, 40, 30, 20, 10, 5, 2 and 1 genes used. For each number of genes the numbers of correct calls, incorrect calls and non-calls were recorded. Non-calls are cases where no prediction was made because the P-value ratio exceeded the specified P-value ratio cutoff. Calculations were made for overall percent correct calls (number of correct classifications/number or samples), percent correct calls of called samples (number of correct classifications/number of samples with calls) and percent of called samples (samples with calls/number of samples).

For each input list and optimal number of predictive genes (lowest number of genes giving a maximum overall percent of correct calls) additional information was recorded that included the list of specific genes in the optimum predictive set.

Expression array data were first examined for the existence of genes whose expression correlated with histopathology scores. Table 1 presents a list of the compounds and dose levels along with the liver histopathology classification and histopathology severity scores used for this analysis. For each distance measure the probability was adjusted in increments of 0.05 until at least 50 correlating genes were obtained. Lists of correlating genes were obtained using the distance measures described in Materials and Methods. Example sets of correlating genes are provided in Tables 3 and 4.

The correlating gene lists as well as the entire array gene list were provided as input lists to the GeneSpring Predict Parameter value tool (described in Materials and Methods) that employs a k nearest neighbor (knn) predictive model. These lists as well as the entire array gene list were used for each of the five training and test sets defined in Materials and Methods to generate predictions of histopathology classifications of the test sets. Input genes for the Predict Parameter Value feature included all 700 genes in the GenePix file (the rat CT Array) which were disclosed in a currently pending application (serial number 10/060,893) filed on January 29, 2002, as well as smaller lists of genes whose expressions correlated with histopathology by the

correlation measures described previously. The number of genes used to predict are varied with standard numbers of 50, 40, 30, 20, 10, 5, 2 and 1 genes used. The specified number of predictive genes was varied to obtain an optimum number of predictive genes.

After this was done for all 5 training and test sets, all gene lists were then merged to create one aggregate list of predictive genes. Each gene on this aggregate list has predictive value for at least one of the training and test sets because it was observed to contribute to an optimum predictivity for a specific training/test set. The aggregate list was subdivided into smaller lists of genes based on the number of times a gene was predictive for an individual training or test set. For example, if 5 training and test sets were used, genes that were predictive in all 5 training and test sets were designated as Combo (combination) 5. Genes that were predictive in only 4 of 5 training and test sets were designated as Combo 4, etc. A list of predictive genes organized by their occurrence in the separate training and test sets is presented in Table 5. The combination category is the number of training/test set gene lists occurrences.

Example 2

The database used was as described in Example 1.

Array data, normalization procedures and transformations used in these analyses are as described in Example 1. Table 29 presents 24 hour gene expression data for the predictive genes. These data can be used with a *k* nearest neighbor prediction model (as available in GeneSpring or other statistical software packages) to make predictions as described in this example.

The Predict Parameter Values tool in GeneSpring™ software_was used for liver inflammation class prediction. A description of this tool and the statistical procedures used is provided in Example 1.

The training and test data sets used are those described in Table 2 of Example 1.

Liver inflammation classifications used are described in Table 1 of Example 1. In this analysis randomized classifications (same number of "negative", "positive-necrosis", or "positive-necrosis with inflammation" classifications distributed randomly among the samples) were also used.

Prediction Output and Initial Data Processing: For each predicting gene list used for evaluation a table of data generated by the Predict Parameter Values tool in GeneSpring™ software was saved which provided for each sample in the test set the actual call ("negative", "positive-necrosis with inflammation", or "positive-necrosis"), the predicted call ("negative", "positive-necrosis with inflammation", or "positive-necrosis") and the P-value cutoff ratio. This set of data was used to calculate predictive performance measures provided below.

Measures of prediction used for these analyses are generally accepted prediction measures for information about actual and predicted classifications done by a classification system (Modern Applied Statistics with S-Plus, W. N. and B. D. Ripley, Springer, 1994, 3rd edition.; Proc. 14th International Conference on Machine Learning, Miroslav Kubat, Stan Matwin, 1997). Results from predictions of a three class case can be described as a three-class matrix:

		Predicted					
		Class I	Class II	Class III			
	Class I	а	b	C			
Actual	Class II	d	е	f			
	Class III	g	h	i			

Class I is defined as "negative-no histopathology."

Class II is defined as "positive-necrosis with inflammation"

Class III is defined as "positive-necrosis".

Standard terms used for prediction for the three class case are:

Overall Accuracy is the proportion of total number of predictions that are correct = (a + e + i)/(a + b + c + d + e + f + g + h + i)

False Positive (Inflammation) rate (FPI) is the proportion of cases that are negative for inflammation (Class I or Class III) incorrectly classified as being positive for inflammation (Class II) = (b + h)/(a + b + c + g + h + i)

False Negative (Inflammation) rate (FN_I) is the proportion of cases correctly classified as being positive for inflammation (Class II) that are incorrectly classified as negative for inflammation (Class I or Class III) = (d + f)/(d + e + f)

Geometric-mean is the performance measure that takes into account proportion of positive and negative cases (Kubat et al., *ibid*).

Geometric-mean (Inflammation) (GMM_I), which takes into account the proportion of positive and negative cases for inflammation, equals the square root of TP_1*TN_1 where $TP_1 = True\ Positive\ (Inflammation)\ rate\ (e/(d+e+f))\ and\ TN_1 = True\ Positive\ (Inflammation)\ rate\ ((a+i)/(a+b+c+g+h+i)).$

Geometric-mean (Necrosis) (GMM_N), which takes into account the proportion of positive and negative cases for necrosis, equals the square root of $TP_N^*TN_N$ where TP_N = True Positive (Necrosis) rate ((h + i)/ (g + h + i)) and TN_N = True Negative (Necrosis) rate ((a)/ (a + b + c)).

In these analyses cases where no prediction was made because the p-value ratio exceeded the cutoff-value (generally 0.5) the non-call was considered to be incorrect. Non-calls of Class I samples are assumed to be Class II. Non-calls of Class II or Class III samples are assumed to be Class I.

Random Selected Gene Sets: Subsets of randomly selected genes were prepared

from the predictive gene sets to test whether such subsets would have predictive value. Assignments of genes to these subsets are presented in Tables 6-7. Genes were also randomly selected from the list of all genes excluding the 183 twenty-four hour predictive genes (also known as non-predictive genes) by assigning a random number to each gene, sorting by the random number and selecting the appropriate number of sorted genes. Assignments of genes to these subsets are presented in Table 8. The "*" identifies that the genes randomly selected from the Combo All list of predictive genes (183 genes) assigning a random number to each gene, sorting by the random number and selecting the appropriate number of sorted genes.

Results: Prediction results for 24 hour expression data using genes identified as predictive are presented in Table 9. Referring now to Table 9, "*" denotes that values are given as means and range of values (in parentheses) for five training/test sets using 24 hour array data and gene lists as presented in Table 5. Unit of prediction was the animal and the predictive classification was for liver inflammation or necrosis observed at 72 hours after treatment.

"**" denotes that standard prediction measures were used as defined in Materials and Methods above. These include:

Overall Accuracy = Proportion of total number of predictions that are correct; FP_i = False Positive (Inflammation) rate, the proportion of negative cases for inflammation that are incorrectly classified as positive for inflammation; FN = False Negative (Inflammation) rate, the proportion of positive cases for inflammation that are incorrectly classified as negative; GMM= Geometric Mean (Inflammation), performance measure that takes into account the proportion of positive and negative cases for inflammation; GMM_N = Geometric Mean (Necrosis), performance measure that takes into account the proportion of positive and negative cases for necrosis. Non-calls are counted as incorrect predictions as defined in Materials and Methods.

These data indicate a high accuracy in predicting liver inflammation. Mean accuracies were 0.85 (85% accuracy) or better for the entire predictive gene list

(Combo All) and the top two Combo gene lists (Combo 5 and Combo 3), and were close to 0.80 (80% accuracy) for the remaining Combo gene lists (Combo 2 and Combo 1). Because these predictions were conducted with multiple training/test set combinations it is possible to obtain an indication of the variability in prediction rates and robustness of the prediction capabilities of these gene sets. For the Combo All and other Combo lists the minimum predictive accuracy value for any one training and test set was greater than 0.70 (70%), with most lists giving 0.75 (75%) or better minimum accuracy. False positive and false negative prediction rates for inflammation (FP_I and FN_I, respectively) were generally low with means generally 0.17 (17%) or less for the Combo All, 5, and 3 gene sets.

The Geometric Mean (Inflammation) (GMM_I) was used as an indication of predictive performance that includes consideration of the proportion of positive and negative cases for inflammation. All gene sets gave GMM_I measures >0.75 (75%), and the Combo All, Combo 5, and Combo 3 gene sets had GMM_I measures >0.85. The Geometric Mean (Necrosis) (GMM_N) was used as an indication of predictive performance that includes consideration of the proportion of positive and negative cases for necrosis. All gene sets gave GMM_N measures >0.80 (80%). Together, both GMM measures indicate that the 24 hour gene sets can predict samples with necrosis or samples with necrosis with inflammation.

As described above, in those cases where no prediction was made because the p-value ratio exceeded the cutoff-value (generally 0.5) the non-call was considered to be incorrect.

Prediction results for 24 hour expression data using genes identified as predictive and the predicting unit of compound-dose are presented in Table 10. Referring now to Table 10, the "**" denotes that overall accuracy is defined as the proportion of the total number of predictions that are correct. Non-Calls are counted as incorrect predictions as defined in Materials and Methods. This prediction unit is probably the most relevant for toxicology prediction. The performance of the genes in predicting compound-dose

toxicity is even better than predictions on an individual animal basis. These data indicate a high accuracy in predicting liver inflammation. Mean accuracy exceeded 0.86 (86% accuracy) for the entire predictive gene list (Combo All) as well as Combo 5 and Combo 3, and was greater than 0.80 (80% accuracy) for Combo 2 and Combo 1. Variability in accuracy was low for most of the gene lists with >0.7 (70%) minimum accuracy for any single training and test set observed for the Combo All and Combo 5, 3, 2 and 1 gene lists.

One noteworthy feature of the predictive capability is the ability to distinguish between effects of a compound at different dose levels. Five compounds (ANIT, APAP, CCL4, LPS, and TET) produced liver necrosis or necrosis with inflammation at the high dose but not at the low dose. The predictive gene sets were usually accurate in predicting toxicity at the high dose and predicting no toxicity at the low dose.

Prediction results for 24 hour expression data using genes identified as predictive and the predicting unit is compound are presented in Table 11. Referring to Table 11, "**" denotes Overall Accuracy to be defined as the proportion of the total number of predictions that are correct. Non-Calls are counted as incorrect predictions as defined in Materials and Methods. Predictive performances on a compound basis were also good, with accuracies generally being at or above 0.8 (80%).

Table 12 and 13 show the level of predictive accuracy of individual genes of Combos 3 and 2, respectively, for 24 hour liver data. The tables show that overall, individual genes of the Combo groups did not perform as well as the combination as a whole, as the average predictive accuracy of individual genes versus the entire combo set was 64.6% vs. 84.9% for Combo 3, and 64.9% vs. 79.3% for Combo 2. The table also shows that while many of the individual genes of the Combo groups were predictive (e.g., accuracies as high as 77.5% for individual genes of Combo 3 and 85.9% for Combo 2), the predictive accuracy of individual genes rarely exceeded the predictive accuracy of the whole combination.

In order to assess the performance of subsets of genes, predictive performance

was evaluated for subsets of genes randomly selected from the total combined predictive list (Combo All) and the top Combo sets (as defined in Materials and Methods). Prediction results for 24 hour expression data using randomly selected subsets of genes are presented in Table 14. Referring to Table 14, "*" denotes the combo gene lists as in Table 5. For combo lists all genes were used or randomly selected subsets of genes in Table 6 and Table 7. Referring now to Table 6, the genes were randomly selected from the Combo All list of predictive genes (183 genes) assigning a random number to each gene, sorting by the random number and selecting the appropriate number of sorted genes. Referring now to Table 7, the genes were randomly selected from the combined Combo 5 3 2 list of predictive genes (52 genes) assigning a random number to each gene, sorting by the random number and selecting the appropriate number of sorted genes. Referring now to Table 14, All-Pred used genes randomly selected from genes that were present on the array but not in the predictive list. "** Overall Accuracy" is defined as the proportion of the total number of predictions that are correct. Non-calls are counted as incorrect predictions as defined in Materials and Methods. Accuracy was calculated for correct classifications of "negative," "positive-necrosis with inflammation," or "positivenecrosis." assigned to the samples and for randomized classifications in the same proportions as the correct classifications. Values presented are the mean accuracy values for 5 training/test sets with minimum and maximum accuracy values. These data clearly indicate that smaller subsets of the Combo gene lists have predictive power. Table 14 also compares prediction accuracy for correct classification of liver inflammation and for the same proportion of positive and negative toxicity calls randomly assigned to the samples (random classification). For each gene set or subset predictions were made using the same five training/test sets as for the other prediction analyses. Additionally, sets of genes were randomly chosen from the array which were not identified on the list of 183 predictive genes at 24 hour (Example 1, Table 5).

It is clear from these data that the predictions with accurate classification are much better than predictions with randomized classification. This means that the predictive

results are not simply due to chance and large data sets but are due to significant, meaningful predictive association between the gene expression of the predictive genes and the liver inflammation. The accuracy numbers for the gene sets selected from a list of all genes on the array minus the predictive genes are much lower than the Combo predictive lists and the random subsets of these predictive lists. This also verifies the predictive power of the identified predictive genes. The fact that the predictive numbers from these subsets are somewhat higher for accurate than random classification is likely due to some residual predictivity in these genes that is not very substantial.

Example 3

Compounds and treatments list used to construct the liver database are given in Table 1 of Example 1. This table also provides the evaluation of liver toxicity as observed as necrosis or necrosis with inflammation in samples collected 72 hours after treatment. The database is described in detail in Example 1. This Example analyzes expression data from samples collected 6 hours after treatment.

Array data, normalization and transformation procedures used were as described in Example 1.

Procedures and methods for obtaining gene lists correlating with histopathology scores were as described in Example 1.

The Predict Parameter Values tool in GeneSpring™ software used for liver inflammation class prediction is described in detail in Material and Methods of Example 1.

Data were each separated into 5 training and test sets by randomly distributing the compounds into the sets. This was accomplished by assigning random numbers to lists of compounds that are negative and positive for histopathology, sorting by random number, and then dividing the sorted lists into a specific number of training and test sets. The training and test set assignments are presented in the following

Table 15. Referring to Table 15, Low + defines low dose. High* defines high dose. Compounds* abbreviates for Compound, Dose, Abbreviation, etc, are defined in Table 1. **Negative are compounds that did not elicit histopathology (score=1). **Positive are compounds that did elicit histopathology (score of 2 or greater).

Liver inflammation classifications were entered for training and test sets as a parameter column. Toxicity, as defined by observation of liver necrosis or necrosis with inflammation at 72 hours after treatment, was entered as "negative", "positive-necrosis", or "positive-necrosis with inflammation" for each animal in a compound-dose group. Additionally, a parameter column for random histopathology classification was designated. This was done by randomly assigning the same number of "negative", "positive-necrosis", or "positive-necrosis with inflammation" calls to the individual animals.

The "Predict Parameter Value" tool of GeneSpring was used with each of the training and test sets to generate predictions of histopathology classifications of the test sets. The number of k nearest neighbors was optimized to give the highest predictive accuracy. This was done by first running predictions at different nearest neighbors for three of the training and test sets, and then evaluating the overall predictive performance for each number of nearest neighbors. A P-value ratio cutoff of 0.5 was used. The number of genes used to predict was varied with standard numbers of 50, 40, 30, 20, 10, 5, 2 and 1 genes used. For each number of genes the numbers of correct calls, incorrect calls and non-calls were recorded. Non-calls are cases where no prediction was made because the P-value ratio exceeded the specified P-value ratio cutoff. Calculations were made for overall percent correct calls (number of correct classifications/number or samples), percent correct calls of called samples (number of correct classifications/number of samples with calls) and percent of called samples (samples with calls/number of samples).

For each input list and optimal number of predictive genes (lowest number of genes giving a maximum overall percent of correct calls) additional information was

recorded that included the list of specific genes in the optimum predictive set.

Results: Expression array data were first examined for the existence of genes whose expression correlated with histopathology scores. Table 1 in Materials and Methods of Example 1 presents a list of the compounds and dose levels along with the liver histopathology classification and histopathology severity scores used for this analysis. For each distance measure the probability was adjusted in increments of 0.05 until at least 50 correlating genes were obtained. Lists of correlating genes were obtained using the distance measures described in Materials and Methods. Example sets of correlating genes are provided in Tables 16-17.

The correlating gene lists as well as the entire array gene list were provided as input lists to the GeneSpring Predict Parameter value tool (described in Materials and Methods) that employs a k nearest neighbor (knn) predictive model. These lists as well as the entire array gene list were used for each of the five training and test sets defined in Materials and Methods to generate predictions of histopathology classifications of the test sets. Input genes for the Predict Parameter Value feature included all 700 genes in the GenePix file (the Rat CT Array) as well as smaller lists of genes whose expressions correlated with histopathology by the correlation measures described previously. The number of genes used to predict are varied with standard numbers of 50, 40, 30, 20, 10, 5, 2 and 1 genes used. The specified number of predictive genes was varied to obtain an optimum number of predictive genes.

After this was done for all 5 training and test sets, all gene lists were then merged to create one aggregate list of predictive genes. Each gene on this aggregate list has predictive value for at least one of the training and test sets because it was observed to contribute to an optimum predictivity for a specific training/test set. The aggregate list was subdivided into smaller lists of genes based on the number of times a gene was predictive for an individual training or test set. For example, if 5 training and test sets were used, genes that were predictive in all 5 training and test sets were designated as Combo (combination) 5. Genes that were predictive in only 4 of 5

training and test sets were designated as Combo 4, etc.

A list of predictive genes organized by their occurrence in the separate training and test sets is presented in Table 18. Referring now to Table 18, the Combination (No. of Occurrences) category, refers to the number of training/test set gene list occurrences.

Example 4

Materials and Methods: The database used was as described in Example 1. This Example analyzes expression data from samples collected 6 hours after treatment

Array Data, Normalization and Transformation: Array data, normalization procedures and transformations used in these analyses are as described in Example 1. Table 28 lists 6 hour gene expression data for the predictive genes. These data can be used with a *k* nearest neighbor prediction model (as available in GeneSpring or other statistical software packages) to make predictions as described in this example

Class Prediction: The Predict Parameter Values tool in GeneSpring™ software was used for liver inflammation class prediction. A description of this tool and the statistical procedures used is provided in Example 1.

Training and Test Data Sets: The training and test data sets used are those described in Table 15 of Example 3.

Liver Toxicology Classification: Liver inflammation classifications used are described in Table 1 of Example 1. In this analysis randomized classifications (same number of "negative", "positive-necrosis", or "positive-necrosis with inflammation" classifications distributed randomly among the samples) were also used.

Prediction Output and Initial Data Processing: For each gene list prediction used for evaluation a table of data generated by the Predict Parameter Values tool in $GeneSpring^{TM}$ software was saved which provided for each sample in the test set the

actual call ("negative", "positive-necrosis with inflammation", or "positive-necrosis"), the predicted call ("negative", "positive-necrosis with inflammation", or "positive-necrosis") and the P-value cutoff ratio. This set of data was used to calculate predictive performance measures provided below.

Prediction Measures: Accuracy was calculated as described in Example 2.

Results: Prediction results for 6 hour expression data using genes identified as predictive are presented in Table 19 where comparison of predictive performance for correct and random classification is shown. Referring to Table 19, Gene List* is defined as Combo Gene Lists as in Table 18. ** Overall Accuracy = proportion of the total number of predictions that are correct. Non-calls are counted as incorrect predictions as defined in Materials and Methods. Accuracy was calculated for correct classifications of "negative", "positive-necrosis with inflammation", or "positive-necrosis" assigned to the samples and for randomized classifications in the same proportions as the correct classifications. Values presented are the mean accuracy values for 5 training/test sets with minimum and maximum accuracy values.

It is clear from these data that the predictions with accurate classification are much better than predictions with randomized classification. This means that the predictive results are not simply due to chance and large data sets but are due to significant, meaningful predictive association between the gene expression of the predictive genes and the liver inflammation.

Example 5

Materials and Methods: Database: Compounds and Liver inflammation: Compounds and treatments list used to construct the liver database are given in Table 1 of Example 1. This table also provides the evaluation of the liver inflammation observed in samples collected 72 hours after treatment. The database is described in detail in Example 1. This Example analyzes expression data from samples collected 72 hours after treatment.

Array data, normalization and transformation procedures used were as described in Example 1.

Procedures and methods for obtaining gene lists correlating with histopathology scores were as described in Example 1 with scores as in Example 1, Table 1.

The Predict Parameter Values tool in GeneSpring™ software used for liver inflammation class prediction is described in detail in Material and Methods of Example 1.

Training and Test Data Sets: Data were each separated into 5 training and test sets by randomly distributing the compounds into the sets. This was accomplished by assigning random numbers to lists of compounds that are negative and positive for histopathology, sorting by random number, and then dividing the sorted lists into a specific number of training and test sets. The training and test set assignments are presented in the Table 20.

Liver Toxicology Classification: Liver inflammation classifications were entered for training and test set as a parameter column. Toxicity, as defined by observation of liver necrosis or necrosis with inflammation at 72 hours after treatment, was entered as "negative", "positive-necrosis", or "positive-necrosis with inflammation" for each animal in a compound-dose group. Additionally, a parameter column for random histopathology classification was designated. This was done by randomly assigning the same number of "negative", "positive-necrosis", or "positive-necrosis with inflammation" calls to the individual animals.

Prediction Output and Initial Data Processing: The "Predict Parameter Value" tool of GeneSpring was used with each of the training and test sets to generate predictions of histopathology classifications of the test sets. The number of k nearest neighbors was optimized to give the highest predictive accuracy. This was done by first running predictions at different nearest neighbors for three of the training and test sets, and then evaluating the overall predictive performance for each number of nearest

neighbors. A P-value ratio cutoff of 0.5 was used. The number of genes used to predict was varied with standard numbers of 50, 40, 30, 20, 10, 5, 2 and 1 genes used. For each number of genes the numbers of correct calls, incorrect calls and non-calls were recorded. Non-calls are cases where no prediction was made because the P-value ratio exceeded the specified P-value ratio cutoff. Calculations were made for overall percent correct calls (number of correct classifications/number or samples), percent correct calls of called samples (number of correct classifications/number of samples with calls) and percent of called samples (samples with calls/number of samples).

For each input list and optimal number of predictive genes (lowest number of genes giving a maximum overall percent of correct calls) additional information was recorded that included the list of specific genes in the optimum predictive set.

Results: Expression array data were first examined for the existence of genes whose expression correlated with histopathology scores. Table 1 in Materials and Methods of Example 1 presents a list of the compounds and dose levels along with the liver histopathology classification and histopathology severity scores used for this analysis. For each distance measure the probability was adjusted in increments of 0.05 until at least 50 correlating genes were obtained. Lists of correlating genes were obtained using the distance measures described in Materials and Methods. Example sets of correlating genes are provided in Tables 21-22.

The correlating gene lists as well as the entire array gene list were provided as input lists to the GeneSpring Predict Parameter value tool (described in Materials and Methods) that employs a k nearest neighbor (knn) predictive model. These lists as well as the entire array gene list were used for each of the five training and test sets defined in Materials and Methods generate predictions of histopathology classifications of the test sets. Input genes for the Predict Parameter Value feature included all 700 genes in the GenePix file (the Rat CT Array) as well as smaller lists of genes whose expressions correlated with histopathology by the correlation measures described

previously. The number of genes used to predict are varied with standard numbers of 50, 40, 30, 20, 10, 5, 2 and 1 genes used. The specified number of predictive genes was varied to obtain an optimum number of predictive genes.

After this was done for all 5 training and test sets, all gene lists were then merged to create one aggregate list of predictive genes. Each gene on this aggregate list has predictive value for at least one of the training and test sets because it was observed to contribute to an optimum predictivity for a specific training/test set. The aggregate list was subdivided into smaller lists of genes based on the number of times a gene was predictive for an individual training or test set. For example, if 5 training and test sets were used, genes that were predictive in all 5 training and test sets were designated as Combo (combination) 5. Genes that were predictive in only 4 of 5 training and test sets were designated as Combo 4, etc.

A list of predictive genes organized by their occurrence in the separate training and test sets is presented in Table 23. Referring to Table 23, Combination (No. of occurrences) is defined as the number of training/test set gene list occurrences.

Example 6 Predictive Properties and Evaluation of Predictive Genes for Liver inflammation from 72 Hour Expression Data: Materials and Methods: Database: The database used was as described in Example 1.

Array Data, Normalization and Transformation: Array data, normalization procedures and transformations used in these analyses are as described in Example 1. Table 30 presents 72 hour gene expression data for the predictive genes. These data can be used with a k nearest neighbor prediction model (as available in GeneSpring or other statistical software packages) to make predictions as described in this example.

Class Prediction: The Predict Parameter Values tool in GeneSpring™ software was used for liver inflammation class prediction. A description of this tool and the statistical procedures used is provided in Example 1.

Training and Test Data Sets: The training and test data sets used are those described in the table of Example 5.

Liver Toxicology Classification: Liver inflammation classifications used are described in Table 1 of Example 1. In this analysis randomized classifications (same number of "negative", "positive-necrosis with inflammation", or "positive-necrosis" classifications distributed randomly among the samples) were also used.

Prediction Output and Initial Data Processing: For each gene list prediction used for evaluation a table of data generated by the Predict Parameter Values tool in GeneSpring™ software was saved which provided for each sample in the test set the actual call ("negative", "positive-necrosis with inflammation", or "positive-necrosis"), the predicted call ("negative", "positive-necrosis with inflammation", or "positive-necrosis") and the P-value cutoff ratio. This set of data was used to calculate predictive performance measures provided below. Accuracy was calculated as described in Example 2.PResults: Prediction results for 72 hour expression data using genes identified as predictive are presented in Table 24 in which comparison of predictive performance for correct and random classification is shown. Referring to Table 24, the "Gene List*" is derived from Combo Gene Lists as in Table 23. The "**Overall Accuracy" is defined as the proportion of the total number of predictions that are correct. Non-calls are counted as incorrect predictions as defined in Materials and Methods. Accuracy was calculated for correct classifications of "negative", "positivenecrosis with inflammation", or "positive-necrosis" assigned to the samples and for randomized classifications in the same proportions as the correct classifications. Values presented are the mean accuracy values for 5 training/test sets with minimum and maximum accuracy values.

It is clear from these data that the predictions with accurate classification are much better than predictions with randomized classification. This means that the predictive results are not simply due to chance and large data sets but are due to significant, meaningful predictive association between the gene expression of the predictive

genes and the liver inflammation.

Example 7 Alternate Models for Predicting Liver Inflammation

Predictive Modeling: The predictive task with the liver inflammation gene expression data is a three-class classification problem, where the three classes of possible responses are defined as "positive-necrosis with inflammation", "positive-necrosis", or "no histopathology". This is an uneven class problem in that the class of negative responses is roughly 80 percent of the data or more in the database tested. A discrimination function can be used to classify a training set. This function can be cross-validated with a testing set, often repeatedly to quantify the mean and variation of the classification error. There are numerous common discrimination functions, and a comparative study of the performance of these functions is useful in determining the best classifier. Additional measures can then be used to compare the performance of the classifiers. Since the classes are of significantly uneven sizes, use a geometric mean measure (*GMM*) can be used to compare models, namely, the square root of the product of the true positives and the true negatives.

Common discrimination methods are Fisher's linear discriminant, quadratic discriminant (mahalanobis distance), *k*-nearest neighbors (*knn*), logistic discriminant (MacLachlan, "Discriminant Analysis and Statistical Pattern Recognition", Wiley Series in Probability and Mathematical Statistics, 1992), classification trees (or more generally known as recursive partitioning) (Breiman et al., "Classification and Regression Trees", Chapman & Hall, 1984; Clark and Pregibon in "Tree-Based Models" (J.M. Chambers and T.J. Hastie, eds.) Chp. 9, Chapman & Hall Computer Science Series, 1993; Quinlan and Kaufman, "C4.5: Programs for Machine Learning", 1988), and neural network classifiers (Ripley, "Pattern Recognition and Neural Networks", Cambridge University Press, 1996). Most are formula-based such as linear and quadratic discriminant, whereas others are rule-based, such as recursive partitioning, or algorithmically based, such as *knn. knn* is also database dependent in that a database containing training set is needed to perform nearest neighbor search

and classification.

Classifier Models: A variety of common classification techniques are available. A simple hybrid classifier could be designed and tested, using the *knn* results, to transform the *knn* model into a database independent model. This model is termed a *centroid* model. The centroid model uses the correctly identified test data results from *knn* and locates a centroid of the subset of *k* samples that are of the same class for each correctly identified test sample. The centroid is assigned the correct class, and with new test data, a sample is assigned the class of its nearest centroid.

In addition to the *knn* and centroid models described above, tree, centroid, logistic, and neural network models could also be employed. The neural network is a simple, feed-forward network, allowing skip layers, and with an entropy fitting criterion.

It is understood that the examples and embodiments described herein are for illustrative purposes only and that various modifications or changes in light thereof will be suggested to persons skilled in the art and are to be included within the spirit and purview of this application and scope of the appended claims. All publications, patents and patent applications cited herein are hereby incorporated by reference in their entirety for all purposes to the same extent as if each individual publication, patent or patent application were specifically and individually indicated to be so incorporated by reference.

Table 1 Compounds, Dose Levels, Liver									
Pathology and Abbreviations in the database									
Liver Inflamm. Liver Nec									
Compound	Dose Level	Abbrev.*	Inflammation	Score**	Vecrosis	Score**			
1-naphthylisothiocyanate	15mgkg	ANIT 15	no	1	no	1			
1-naphthylisothiocyanate	60mgkg	ANIT 60	yes	2	yes	2			
5-fluorouracil	13 mg/kg	5-FU 13	no	1	no	1			
5-fluorouracil	50 mg/kg	5-FU 50	no	1	no	1			
acetaminophen	250 mg/kg	APAP 250	no	1	no	1			
acetaminophen	1000 mg/kg	APAP 1000	no	1	yes	2			
aflatoxin	1 mg/kg	AFLB 1	yes	4	yes	8			
amphotericin B	5 mg/kg	AMPB 5	no	1	no	1			
amphotericin B	20 mg/kg	AMPB 20	no	1	no	1			
azathioprine	50 mg/kg	AZA 50	no	11	no	1 1			
azathioprine	200 mg/kg	AZA 200	no	1	no	1			
benzene	0.25 ml/kg	BEN 250	no	1	no	1			
benzene	1 ml/kg	BEN 1000	no	11	no	11			
benzo[a]pyrene	30 mg/kg	BAP 30	no	1	no	1			
bromobenzene	0.2 ml/kg	BRB 200	yes	2	yes	2			
bromobenzene	0.8 ml/kg	BRB 800	yes	3	yes	4			
busulfan	14 mg/kg	BUS 14	no	11	no	1			
cadmium chloride	1 mg/kg	CAD 1	no	1	no	1			
cadmium chloride	2 mg/kg	CAD 2	no	11	no	1			
cadmium chloride	4 mg/kg	CAD 4	yes	2	yes	3			
carbon tetrachloride	0.25 ml/kg	CCL4 250	no	11	yes	3			
carbon tetrachloride	1 ml/kg	CCL4 1000	yes	3	yes	6			
carmustine	16 mg/kg	CAR 16	no	1_1_	no	1_1			
chloroform	0.25 ml/kg	CHCL3 250	no	1	no	1_1_			
chloroform	0.5 ml/kg	CHCL3 500	no	1	no	1			
chlorpromazine	8 mg/kg	CHLOR 8	no	11	no	1			
chlorpromazine	30 mg/kg	CHLOR 30	no	1	no	1			
cisplatin	2.5 mg/kg	CIS 2.5	no	1	no	1-1-			
cisplatin	10 mg/kg	CIS 10	no	11	no	1			

clofibrate	75 mg/kg	CLO 75	no	1	no	1
		1			T	<u> </u>
clofibrate	250 mg/kg	CLO 250	no	1	no	1
clozapine	45 mg/kg	CLOZ 45	no	1	no	1
clozapine	180 mg/kg	CLOZ 180	no	1	no	1
carboxy methyl cellulose	30 mg/kg	CMC 30	no	1	no	1
			}			
cycloheximide	0.5 mg/kg	CHEX 0.5	no	1	no	1
cycloheximide	2 mg/kg	CHEX 2	no	1	no	1
cyclophosphamide	25 mg/kg	CPHOS 25	по	1	no	1
	ļ	-				
cyclophosphamide	100 mg/kg	CPHOS 100	no	1	no	1
cyclosporin A	20 mg/kg	CYCA 20	no	_ 1	no	1
cyclosporin A	80 mg/kg	CYCA 80	no	1	no	1
dexamethasone	8 mg/kg	DEX 8	no	1	no	1
dexamethasone	30 mg/kg	DEX 30	no	1	no	1
diflunisal	25 mg/kg	DIF 25	no	1	no	1
diflunisal	100 mg/kg	DIF 100	no	1	_ no	1
dimethylnitrosamine	20 mg/kg	DMN 20	yes	4	yes	9
doxorubicin	12 mg/kg	DOX 12	по	1	no	1
erythromycin estolate	40 mg/kg	ERY 40	no	1	no	1
erythromycin estolate	160 mg/kg	ERY 160	no	1	no	_1
estradiol	0.1 mg/kg	EST 0.1	no	_ 1	no	1
estradiol	0.4 mg/kg	EST 0.4	no	1	no	1
ethanol	2.5 ml/kg	ETH 2500	no	1	no	1
gancyclovir	50 mg/kg	GAN 50	no	1	no	1
)				
gancyclovir	200 mg/kg	GAN 200	no	1	no	1
gentamicin	38 mg/kg	GEN 38	no	11	no	1
gentamicin	150 mg/kg	GEN 150	no	11	no	1
	[
hydroxyurea	250 mg/kg	HYD 250	no	1	no	1
		}				
hydroxyurea	1000 mg/kg	HYD 1000	no	1	no	_1
isoniazid	50 mg/kg	ISON 50	no	1	no	1

						1
isoniazid	200 mg/kg	ISON 200	no	1	no	1
ketoconazole	20 mg/kg	KETO 20	no	1	no	1
ketoconazole	80 mg/kg	KETO 80	no	11	no	11
lipopolysaccharide	2 mg/kg	LPS 2	no	11	no	11
lipopolysaccharide	8 mg/kg	LPS 8	yes	2	yes	6
methotrexate	1.3 mg/kg	MET 1.3	no	1	no	1
methotrexate	5 mg/kg	MET 5	no	11	no	1
naloxone	45 ml/kg	NAL 45	no	1	по	1
						1
naloxone	180 mg/kg	NAL 180	no	1	no	1
phenobarbital	20 mg/kg	PBARB 20	no	1	no	1
phenobarbital	80 mg/kg	PBARB 80	no	1	no	1
phenylhydrazine	20 mg/kg	PHEN 20	no	1	no	11
phenylhydrazine	80 mg/kg	PHEN 80	no	1	no	1
polyethylene glycol	5 ml/kg	PEG 5000	no	11	no	1
puromycin	38 mg/kg	PUR 38	no	1	no	1
puromycin	150 mg/kg	PUR 150	no	1	no	1
quinidine	25 mg/kg	QUIN 25	no	1	no	1
quinidine	100 mg/kg	QUIN 100	no	1	no	1
streptozotocin	20 mg/kg	STRZ 20	no	1	no	1
streptozotocin	75 mg/kg	STRZ 75	no	1	no	1
tamoxifen	50 mg/kg	TAM 50	no	1	no	1
tamoxifen	200 mg/kg	TAM 200	no	1	no	1
tetracycline	50 mg/kg	TET 50	no	1	no	1
tetracycline	150 mg/kg	TET 150	no	1	yes	2
theophylline	25 mg/kg	THEO 25	no	1	no	1
theophylline	100 mg/kg	THEO 100	no	11	no	1

Table 2 Distribution of Compounds* in Individual Training and Test Sets for 24h Liver Inflammation Data

	1 Positive**- Necrosis	Positive**- Necrosis with Inflammation	Test Set 1 Negative**	Positive**- Necrosis	Test Set 1 Positive**- Necrosis with Inflammation
BAP-Low ⁺		BRB-Low [†]	ISON-Low [†]	TET-High ⁺	BRB-High ⁺
KETO-Low	CCL4-Low	CCL4-High	TAM-Low		LPS-High
DOX-Low		ANIT-High	CYCA-Low		
STRZ-High		DMN-High	DIF-Low		
ERY-High			CHEX-High		
PEG-Low			CMC-Low		
PUR-High			HYD-Low	<u> </u>	
CHLOR-High			ANIT-Low		
HYD-High			CHEX-Low	<u> </u>	
GEN-High			APAP-Low	<u> </u>	
BEN-High			CHCL3-High	_ 	
ETH-Low			DIF-High		
DOX-High			PHEN-High	<u> </u>	
PBARB-High			GAN-Low		
BUS-Low			CYCA-High		
5-FU-Hi			TAM-High		
MET-Low			DEX-High		
EST-High			CIS-High		
PHEN-Low			PUR-Low		
THEO-Low			AMPB-Low		
QUIN-Low			CLO-High		
GEN-Low			EST-Low		
CIS-Low			CLOZ-Low		
CLO-Low			CAD-Low		
BUS-High			CHLOR-Low		
CAR-Low					
LPS-Low					
CPHOS-High					
THEO-High					
NAL-High					
DEX-Low					
NAL-Low					
AMPB-Hi					

	 ,	1	1	1
5-FU-Low				
CAD-High				
ISON-High				
STRZ-Low				
CLOZ-High				
TET-Low				
KETO-High				
PBARB-Low				
CHCL3-Low			<u></u>	
BAP-High				
CPHOS-Low				
MET-High				
QUIN-High		<i>'</i>		
CAR-High				
ERY-Low				
GAN-High				
BEN-Low				<u> </u>

Training Set 2 Negative	2 Positive- Necrosis	Training Set 2 Positive- Necrosis with Inflammation	Test Set 2 Negative	Test Set 2 Positive- Necrosis	Test Set 2 Positive- Necrosis with Inflammation
PHEN-Low	APAP-High	DMN-High	PUR-High	CCL4-Low	CCL4-High
ISON-High	TET-High	BRB-High	KETO-Low		ANIT-High
PHEN-High		BRB-Low	CLOZ-Low		
BEN-Low		LPS-High	ERY-High	<u> </u>	
CYCA-Low			CAR-High		-
KETO-High			CAD-High	<u> </u>	
CLOZ-High			PBARB-High		
PBARB-Low			5-FU-Low		
CMC-Low			CAR-Low		
CHLOR-Low			DEX-Low		
NAL-Low			STRZ-Low	_	
EST-High			CLO-Low		
CHCL3-Low			ANIT-Low		
DOX-High			THEO-Low		
5-FU-Hi			BAP-High		
CPHOS-Low			CYCA-High		
DEX-High			MET-Low		
DIF-High			THEO-High		
ERY-Low			ISON-Low		

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APAP-Low	MET-High	
CIS-Low	CHEX-Low	
CLO-High	LPS-Low	
BUS-High	GEN-Low	
BUS-Low	CHCL3-High	
DOX-Low	GEN-High	
DIF-Low		
CAD-Low		
STRZ-High		
HYD-Low		
BAP-Low		
CIS-High		
ETH-Low		
BEN-High		
QUIN-High		
PUR-Low		
HYD-High		
EST-Low		
AMPB-Low		
GAN-Low		
NAL-High		
CHEX-High		
CHLOR-High		
GAN-High		
CPHOS-High		
TAM-Low		
TET-Low		
TAM-High		
AMPB-HI		
QUIN-Low		
PEG-Low		

Training Set 3 Negative	Training Set 3 Positive- Necrosis	Training Set 3 Positive- Necrosis with Inflammation	Test Set 3 Negative	Test Set 3 Positive- Necrosis	Test Set 3 Positive- Necrosis with Inflammation
ERY-High	TET-High	BRB-Low	PUR-High	APAP-High	BRB-High
EST-High	CCL4-Low	CCL4-High	CPHOS-Low		LPS-High
ISON-Low		ANIT-High	BEN-High		
ANIT-Low		LPS-High	HYD-High		

CLO-Low		I	CMC-Low]
CLOZ-Low			CLO-High		
DIF-Low			GAN-Low		
CAR-Low			DOX-High		
LPS-Low			CHEX-Low		
CIS-High			THEO-Low		
TAM-High			AMPB-Hi		
CYCA-High			DOX-Low		
MET-Low			CHEX-High		~
NAL-Low			GEN-High		
CPHOS-High			DEX-Low		
CAR-High			BUS-High		
HYD-Low			PUR-Low	. — — — —	
APAP-Low			PBARB-Low		
GEN-Low			5-FU-Low		
AMPB-Low			QUIN-Low		
PHEN-Low			STRZ-Low		
BAP-High			ISON-High		
EST-Low			ETH-Low		
CHCL3-High			STRZ-High		
CAD-High			DEX-High		
PHEN-High	l	· · · · · · · · · · · · · · · · · · ·	DEXTIGHT		
TET-Low					
CLOZ-High	 				
BEN-Low	 		<u> </u>		 -
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CHLOR-High				 	
TAM-Low					
DIF-High					
BUS-Low			ļ		
KETO-High			<u> </u>		
5-FU-Hi					
MET-High				 	
ERY-Low	<u> </u>				
QUIN-High					
BAP-Low					
KETO-Low					
THEO-High					
PBARB-High					
CYCA-Low					
NAL-High					
CIS-Low					
PEG-Low					
CHLOR-Low					
GAN-High					
CHCL3-Low					
CAD-Low					

Training Set 4	Training Set	Training Set 4	Test Set 4	Test Set 4	Test Set 4
		Positive-	Negative	Positive-	Positive-
	Necrosis	Necrosis with		Necrosis	Necrosis with
		Inflammation	1		Inflammation
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CHEX-Low	APAP-High	LPS-High	AMPB-Low	TET-High	BRB-High
5-FU-Low	TET-High	DMN-High	PHEN-Low		LPS-High
BEN-High		ANIT-High	DIF-Low		
QUIN-Low		BRB-Low	APAP-Low	1	
ERY-Low			CAD-High		
ETH-Low			GAN-Low		
CYCA-High			HYD-High		
KETO-High			TAM-High		
GEN-Low			DOX-Low		
BAP-High			GEN-High		
PEG-Low			PHEN-High		
BAP-Low			TET-Low		
CMC-Low			MET-High	·	
BUS-High			CHEX-High		
BUS-Low			DOX-High		
THEO-High	1	1	STRZ-High		
CYCA-Low			PBARB-High		
DEX-High			CLO-High		
QUIN-High			KETO-Low		
ERY-High			BEN-Low		
DEX-Low			5-FU-Hi		
EST-High			ISON-Low		
CAR-High			CAD-Low		
CHLOR-Low			CIS-Low		
MET-Low		· ·	PUR-High		
CHLOR-High					
CAR-Low					
AMPB-Hi					
CPHOS-High	l				
CLO-Low					
NAL-Low					
HYD-Low					
ANIT-Low					
ISON-High					
EST-Low					
CIQHigh	T				

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CHCL3-High				
NAL-High				
GAN-High				
CLOZ-High				
LPS-Low				
CLOZ-Low				
THEO-Low			ļ	
CPHOS-Low				
PUR-Low			ļ	
TAM-Low			<u> </u>	
DIF-High			<u> </u>	
PBARB-Low			ļ	·
CHCL3-Low		 	 	
STRZ-Low		<u></u>	1	<u> </u>

Training Set 5 Negative	5 Positive- Necrosis	Training Set 5 Positive- Necrosis with Inflammation	Test Set 5 Negative	Test Set 5 Positive- Necrosis	Test Set 5 Positive- Necrosis with Inflammation
KETO-High	APAP-High	CCL4-High	ISON-Low	TET-High	LPS-High
5-FU-Hi	CCL4-Low	BRB-High	MET-Low		BRB-Low
CIS-Low		ANIT-High	CHCL3-High		
NAL-Low		DMN-High	PHEN-High		
GAN-High			TAM-Low		
CPHOS-High			GEN-Low		
CHCL3-Low	-		CLO-Low		
CHEX-Low			MET-High		
PUR-Low			QUIN-Low		
AMPB-Hi			STRZ-High		
PEG-Low			KETO-Low		
TET-Low			DEX-High		
CYCA-Low			CAD-Low		
DOX-Low			BUS-Low_		
ETH-Low			EST-Low		
HYD-Low			BEN-Low		
STRZ-Low			CAD-High		
EST-High			CAR-High		
CHLOR-High			CIS-High		
5-FU-Low			CHLOR-Low		

LPS-Low	APAP-Low
THEO-Low	DIF-High
NAL-High	CLOZ-Low
DOX-High	PBARB-High
PBARB-Low	CPHOS-Low
DIF-Low	
ERY-High	
QUIN-High	
ERY-Low	
CMC-Low	
ISON-High	
CLOZ-High	
BEN-High	
CHEX-High	
PHEN-Low	
ANIT-Low	
CLO-High	
THEO-High	
PUR-High	
BAP-Low	
CAR-Low	· · · · · · · · · · · · · · · · · · ·
DEX-Low	
GEN-High	
BAP-High	
HYD-High	
BUS-High	
GAN-Low	
AMPB-Low	
CYCA-High	
TAM-High	

Table 3 List of Genes, Whose Expression at 24h Directly Correlates with Liver Inflammation at 72h, Ranked by Pearson Correlation Coefficient

Correlation Coefficient
0.598
0.592
0.578
0.566
0.558
0.549
0.547
0.546
0.545
0.533
0.527
0.524
0.518
0.507
0.502
0.501
0.492
0.490
0.488
0.479
0.469
0.464
0.463
0.453
0.446
0.441
0.440
0.438
0.436
0.431
0.430
0.429
0.425
0.425
0.419
0.415
0.411
0.417
0.407
0.406
0.406
0.406
0.406

Beta-actin	0.403
c-H-ras	0.399
Phase-1 RCT-154	0.399
Phase-1 RCT-122	0.398
Integrin betal	0.397
Ornithine decarboxylase	0.395
Beta-tubulin, class I	0.395
Phase-1 RCT-241	0.395
Retinoid X receptor alpha	0.394
Bax (alpha)	0.394
Caspase 3	0.388
Insulin-like growth factor binding protein 1	0.385
Nucleoside diphosphate kinase beta isoform	0.385
Phase-1 RCT-60	0.384
Phase-1 RCT-196	0.382
Phase-1 RCT-192	0.380
Organic cation transporter 3	0.379
Thymosin beta-10	0.379
Osteoactivin	0.379
Phase-1 RCT-12	0.375
Phase-1 RCT-65	0.363
Wafi	0.360
Alpha-tubulin	0.360
Phase-1 RCT-215	0.359
Carbonyl reductase	0.359
p53	0.356
Phase-1 RCT-71	0.355
Phase-1 RCT-191	0.353
Beta-actin, sequence 2	0.352
Uncoupling protein 2	0.350

Table 4 List of Genes, Whose Expression at 24h Inversely Correlates with Liver Inflammation at 72h, Ranked by Spearman Correlation Coefficient

	Correlation
Gene	Coefficient
Matrin F/G	-0.425
Phase-1 RCT-36	-0.415
Phase-1 RCT-78	-0.403
Phase-1 RCT-33	-0.403
Phase-1 RCT-38	-0.402
Hepatic lipase	-0.399
Phase-1 RCT-214	-0.397
Carbonic anhydrase III	-0.394
Phase-1 RCT-288	-0.393
L-gulono-gamma-lactone oxidase	-0.393
	-0.392
Phase-1 RCT-92 Phase-1 RCT-256	-0.391
Sodium/bile acid cotransporter	-0.382
	-0.380
Alpha 1 - Inhibitor III	-0.380
Phase-1 RCT-89	-0.379
Liver fatty acid binding protein	-0.376
Phase-1 RCT-296	-0.376
Organic anion transporter 3	-0.375
Phase-1 RCT-291	-0.375
Dynamin-1 (D100)	-0.373
Presenilin-1	-0.370
Aldehyde dehydrogenase, microsomal	-0.365
Phase-1 RCT-102	-0.364
Equilbrative nitrobenzylthioinosine-sensitive nucleoside transporter	-0.363
Phase-1 RCT-52	-0.362
Phase-1 RCT-168	-0.362
Sterol carrier protein 2	-0.359
N-hydroxy-2-acetylaminofluorene sulfotransferase (ST1C1)	-0.359
Phase-1 RCT-218	-0.357
Senescence marker protein-30	-0.352
Phase-1 RCT-40	-0.352
Paraoxonase 1	-0.351
Tryptophan hydroxylase	-0.348
Phase-1 RCT-123	-0.347
Phase-1 RCT-83	-0.347
Transthyretin	-0.347
Phase-1 RCT-219	-0.341
Phase-1 RCT-88	-0.341
Phase-1 RCT-289	-0.341
Apolipoprotein CIII	-0.337
Phase-1 RCT 165	-0.336
Phase-1 RCT-128	

Phase-1 RCT-264	-0.335
Phase-1 RCT-64	-0.335
Phase-1 RCT-233	-0.334
Phase-1 RCT-181	-0.333
Aquaporin-3 (AQP3)	-0.332
Phase-1 RCT-175	-0.331
Cytochrome P450 2C23	-0.330
Urinary protein 2 precursor	-0.327
3-hydroxyisobutyrate dehydrogenase	-0.327
Phase-1 RCT-117	-0.326
Glutathione peroxidase	-0.324
Phase-1 RCT-182	-0.324
Fatty acid synthase	-0.322
Phase-1 RCT-271	-0.321
Phase-1 RCT-10	-0.321
Phase-1 RCT-209	-0.320
Phase-1 RCT-67	-0.320
HMG-CoA synthase, mitochondrial	-0.316
Phase-1 RCT-137	-0.315
	-0.314
Stearyl-CoA desaturase, liver	-0.312
Apoptosis-regulating basic protein	-0.312
Phase-1 RCT-185	-0.312
Phase-1 RCT-98	-0.312
Phase-1 RCT-239	-0.308
Carbonic anhydrase III, sequence 2	-0.308
Phase-1 RCT-189	-0.308
Phase-1 RCT-270	-0,308
NADH-cytochrome b5 reductase	-0.301
Sulfotransferase K2	1 0,001

Table 5 Predictive Genes for 24 Hour Expression Data

Gamma-actin, cytoplasmic 5 80S ribosomal protein L6 (alternate clone 1) 3 80S ribosomal protein L6 3 80E ribosomal protein L6 3 88eta-tubulin, class I 3 c-jun 3 Gadd45 3 ID-1 3 IkB-a 3 Integrin beta1 3 Macrophage inflammatory protein-2 alpha 3 Midditidrug resistant protein-2 3 Phase-1 RCT-144 3 Phase-1 RCT-144 3 Phase-1 RCT-179 3 Phase-1 RCT-207 3 Phase-1 RCT-207 3 Phase-1 RCT-242 3 Phase-1 RCT-249 3 Phase-1 RCT-92 3 Zinc finger protein 2	Gene Name	Combination Category*
80S ribosomal protein L6 3 80S ribosomal protein L6 3 8eta-tubulin, class I 3 c-jun 3 Gadd45 3 ID-1 3 IkB-a 3 Integrin beta1 3 Macrophage inflammatory protein-2 alpha 3 MAP kinase kinase 3 MAP kinase kinase 3 MAP kinase kinase 3 Maltidrug resistant protein-2 3 Organic cation transporter 3 3 Phase-1 RCT-144 3 Phase-1 RCT-145 3 Phase-1 RCT-145 3 Phase-1 RCT-192 3 Phase-1 RCT-192 3 Phase-1 RCT-207 3 Phase-1 RCT-207 3 Phase-1 RCT-242 3 Phase-1 RCT-242 3 Phase-1 RCT-29 3 Zinc finger protein 3 14-3-3 zeta 2 Alpha-tubulin 2 Beta-actin 2 Cathepsin L, sequence 2 2 c-myc 2	Gamma-actin cytoplasmic	
80S ribosomal protein L6 80ta-tubulin, class I 80ta-tubulin 80ta-talea		
Beta-tubulin, class I 3 c-jun 3 Gadd45 3 Ib-1 3 IkB-a 3 Integrin beta1 3 Macrophage inflammatory protein-2 alpha 3 Marcophage inflammatory protein-2 alpha 3 Multidrug resistant protein-2 3 Organic cation transporter 3 3 Phase-1 RCT-144 3 Phase-1 RCT-145 3 Phase-1 RCT-179 3 Phase-1 RCT-192 3 Phase-1 RCT-207 3 Phase-1 RCT-225 3 Phase-1 RCT-242 3 Phase-1 RCT-242 3 Phase-1 RCT-92 3 Zinc finger protein 3 14-3-3 zeta 2 Alpha-tubulin 2 Beta-actin 2 Cathepsin L, sequence 2 2 c-myc 2 Cytochrome P450 11A1 2 Gadd153 2 IgE binding protein 2 L-gu		
c-jun 3 Gadd45 3 ID-1 3 IkB-a 3 Integrin beta1 3 Macrophage inflammatory protein-2 alpha 3 MAP kinase kinase 3 MAP kinase kinase 3 Multidrug resistant protein-2 3 Organic cation transporter 3 3 Phase-1 RCT-144 3 Phase-1 RCT-145 3 Phase-1 RCT-179 3 Phase-1 RCT-192 3 Phase-1 RCT-207 3 Phase-1 RCT-225 3 Phase-1 RCT-242 3 Phase-1 RCT-249 3 Phase-1 RCT-92 3 Zinc finger protein 3 14-3-3 zeta 2 Alpha-tubulin 2 Beta-actin 2 Cathepsin L, sequence 2 2 c-myc 2 Cytochrome P450 11A1 2 Gadd153 2 IgE binding protein 2 L-gulono-gamma-lactone oxidase 2 Matrin F/G 2		
Gadd45 3 ID-1 3 IkB-a 3 Integrin beta1 3 Macrophage inflammatory protein-2 alpha 3 MAP kinase kinase 3 Multidrug resistant protein-2 3 Organlo cation transporter 3 3 Phase-1 RCT-144 3 Phase-1 RCT-145 3 Phase-1 RCT-179 3 Phase-1 RCT-192 3 Phase-1 RCT-207 3 Phase-1 RCT-225 3 Phase-1 RCT-242 3 Phase-1 RCT-25 3 Phase-1 RCT-29 3 Phase-1 RCT-90 3 Phase-1 RCT-92 3 Zinc finger protein 3 14-3-3 zeta 2 Alpha-tubulin 2 Beta-actin 2 Cathepsin L, sequence 2 2 c-myc 2 Cytochrome P450 11A1 2 Gadd153 2 IgE binding protein 2 -gulono-gamma-lactone oxidase 2 Matrin F/G 2 <		
ID-1		
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Macrophage inflammatory protein-2 alpha 3 MAP kinase kinase 3 Multidrug resistant protein-2 3 Organlc cation transporter 3 3 Phase-1 RCT-144 3 Phase-1 RCT-179 3 Phase-1 RCT-192 3 Phase-1 RCT-207 3 Phase-1 RCT-225 3 Phase-1 RCT-242 3 Phase-1 RCT-49 3 Phase-1 RCT-92 3 Zinc finger protein 3 14-3-3 zeta 2 Alpha-tubulin 2 Beta-actin 2 Cathepsin L, sequence 2 2 c-myc 2 Cytochrome P450 11A1 2 Gadd153 2 IgE binding protein 2 L-gulono-gamma-lactone oxidase 2 MHC class I antigen RT1.A1(f) alpha-chain 2 Nucleoside diphosphate kinase beta isoform 2 Ornilthine decarboxylase 2 Phase-1 RCT-185 2 Phase-1 RCT-185 2 Phase-1 RCT-185 2		
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Phase-1 RCT-225 3 Phase-1 RCT-242 3 Phase-1 RCT-49 3 Phase-1 RCT-50 3 Phase-1 RCT-92 3 Zinc finger protein 3 14-3-3 zeta 2 Alpha-tubulin 2 Beta-actin 2 Cathepsin L, sequence 2 2 c-myc 2 Cytochrome P450 11A1 2 Gadd153 2 IgE binding protein 2 L-gulono-gamma-lactone oxidase 2 MHC class I antigen RT1.A1(f) alpha-chain 2 Nucleoside diphosphate kinase beta isoform 2 Ornithine decarboxylase 2 PAR interacting protein 2 Phase-1 RCT-181 2 Phase-1 RCT-185 2 Phase-1 RCT-205 2		
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Gadd153 2 IgE binding protein 2 L-gulono-gamma-lactone oxidase 2 Matrin F/G 2 MHC class I antigen RT1.A1(f) alpha-chain 2 Nucleoside diphosphate kinase beta isoform 2 Ornithine decarboxylase 2 PAR interacting protein 2 Phase-1 RCT-181 2 Phase-1 RCT-185 2 Phase-1 RCT-205 2		
IgE binding protein 2 L-gulono-gamma-lactone oxidase 2 Matrin F/G 2 MHC class I antigen RT1.A1(f) alpha-chain 2 Nucleoside diphosphate kinase beta isoform 2 Ornithine decarboxylase 2 PAR interacting protein 2 Phase-1 RCT-181 2 Phase-1 RCT-185 2 Phase-1 RCT-205 2		
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OrnIthine decarboxylase 2 PAR interacting protein 2 Phase-1 RCT-181 2 Phase-1 RCT-185 2 Phase-1 RCT-205 2		
PAR interacting protein 2 Phase-1 RCT-181 2 Phase-1 RCT-185 2 Phase-1 RCT-205 2		
Phase-1 RCT-181 2 Phase-1 RCT-185 2 Phase-1 RCT-205 2		
Phase-1 RCT-185 2 Phase-1 RCT-205 2		
Phase-1 RCT-205 2		
	Phase-1 RCT-233	

Phase-1 RCT-258	2
Phase-1 RCT-288	2
Phase-1 RCT-33	2
Phase-1 RCT-36	2
Phase-1 RCT-39	2
Phase-1 RCT-60	2
Phase-1 RCT-64	2
Phase-1 RCT-65	2
Phase-1 RCT-78	2
Phase-1 RCT-98	1
Aldehyde dehydrogenase, microsomal	1
Alpha 1 - inhibitor III	1
Alpha-2-microglobulin	1
Apolipoprotein All	1
Apolipoprotein CIII	1
Aquaporin-3 (AQP3)	1
Argininosuccinate lyase	1
Aspartate aminotransferase, mitochondrial	11
Urinary protein 2 precursor	1
ATP-stimulated glucocorticoid-receptor translocation promoter (Gyk)	11
Bax (alpha)	1
Beta-actin, sequence 2	1
Beta-alanine synthase	1
Carbonic anhydrase III	1
Carbonic anhydrase III, sequence 2	1
Carbonyl reductase	11
Carnitine palmitoyl-CoA transferase	11
Casein-alpha	1
Caspase 3	1
CDK102	11
c-H-ras	1
Cofilin	11
Cyclin D1	11
Cyclin G	11
Cytochrome P450 2C23	1 1
Dynamin-1 (D100)	1
Elongation factor-1 alpha	11
Endogenous retroviral sequence, 5' and 3' LTR	1
Endothelin-1	11
Equilbrative nitrobenzylthioinosine-sensitive nucleoside transporter	1
Fas antigen	1
Glutathione peroxidase	1 1
Heme oxygenase	1 1
Hepatic lipase	1
Hepatocyte growth factor receptor	1
HMG-CoA synthase, mitochondrial	1
Insulin-like growth factor binding protein 1	1 1

Interleukin-10	1
Liver fatty acid binding protein	1
Malic enzyme	1
Melanoma-associated antigen ME491	1
Multidrug resistant protein-1	1
MutL homologue (MLH1)	1
NADH-cytochrome b5 reductase	1
NADP-dependent isocitrate dehydrogenase, cytosolic	1
N-hydroxy-2-acetylaminofluorene sulfotransferase (ST1C1)	1
Octamer binding protein 1	11
Organic anion transporter 3	11
p53	11
Paraoxonase 1	1
Phase-1 RCT-10	11
Phase-1 RCT-102	11
Phase-1 RCT-109	1
Phase-1 RCT-111	1
Phase-1 RCT-113	1
Phase-1 RCT-115	1
Phase-1 RCT-117	1
Phase-1 RCT-12	1
Phase-1 RCT-123	1
Phase-1 RCT-128	1
Apoptosis-regulating basic protein	1
	1
Phase-1 RCT-137	
Phase-1 RCT-140	1
Phase-1 RCT-141	
Phase-1 RCT-152	11
Phase-1 RCT-154	11
Phase-1 RCT-158	1
Phase-1 RCT-168	11
Phase-1 RCT-174	1
Phase-1 RCT-175	1
Phase-1 RCT-180	1
Phase-1 RCT-182	1
Phase-1 RCT-189	1
Phase-1 RCT-191	1
Phase-1 RCT-196	1
Vacuole membrane protein 1	1
Phase-1 RCT-209	1
Phase-1 RCT-211	1
	1
Phase-1 RCT-212	
Phase-1 RCT-214	11
Phase-1 RCT-215	1
Phase-1 RCT-218	1
Phase-1 RCT-219	1
Phase-1 RCT-239	11

Phase-1 RCT-24	1
Phase-1 RCT-241	1 1
Phase-1 RCT-256	11
Phase-1 RCT-264	11
Phase-1 RCT-27	11
Phase-1 RCT-270	11
Phase-1 RCT-271	11
Phase-1 RCT-281	11
Phase-1 RCT-282	1
Phase-1 RCT-287	11
Phase-1 RCT-289	11
Phase-1 RCT-291	11
Voltage-dependent anion channel 2 (Vdac2)	11
Phase-1 RCT-296	11
Phase-1 RCT-30	1
Phase-1 RCT-37	11
Phase-1 RCT-38	1
Phase-1 RCT-40	1
Phase-1 RCT-48	1
Phase-1 RCT-52	1
Phase-1 RCT-67	1
Phase-1 RCT-68	1
Phase-1 RCT-72	1
Phase-1 RCT-76	1
Phase-1 RCT-77	1
Phase-1 RCT-79	1
Phase-1 RCT-8	1
Phase-1 RCT-88	1
Phase-1 RCT-89	1
Preproalbumin, sequence 2	1
Presenilin-1	1
Pyruvate kinase, muscle	1
Retinol-binding protein (RBP)	1
Ribosomal protein L13A	1
Ribosomal protein S9	1
Senescence marker protein-30	1
Sodium/bile acid cotransporter	1
Sodium/glucose cotransporter 1	1
Sorbitol dehydrogenase	1
Stearyl-CoA desaturase, liver	1
Sterol carrier protein 2	1
Sulfotransferase K2	1
Superoxide dismutase Mn	
Thymosin beta-10	1
Transthyretin	
Tryptophan hydroxylase	1

Table 6 Randomly Selected Gene Subsets from 24 H Combo All (183 Genes)*

Rand 5 (1)	Rand 5 (2)
Aquaporin-3 (AQP3)	Apolipoprotein CIII
Phase-1 RCT-115	Cofilin
Phase-1 RCT-209	Voltage-dependent anion channel 2 (Vdac2)
Pyruvate kinase, muscle	Phase-1 RCT-271
Transthyretin	Phase-1 RCT-196

Rand 10 (1)	Rand 10 (2)
Aspartate aminotransferase, mitochondrial	PAR interacting protein
Casein-alpha	Phase-1 RCT-38
Fas antigen	Integrin beta1
Gadd45	Phase-1 RCT-141
Gamma-actin, cytoplasmic	Phase-1 RCT-50
Integrin beta1	Liver fatty acid binding protein
Macrophage inflammatory protein-2 alpha	Beta-actin, sequence 2
Phase-1 RCT-145	60S ribosomal protein L6
Phase-1 RCT-207	Phase-1 RCT-211
Phase-1 RCT-78	Ribosomal protein L13A

Rand 15 (1)	Rand 15 (2)
60S ribosomal protein L6 (alternate clone 1)	Phase-1 RCT-52
Argininosuccinate lyase	HMG-CoA synthase, mitochondrial
Cytochrome P450 11A1	Retinol-binding protein (RBP)
Dynamin-1 (D100)	Sodium/bile acid cotransporter
Endogenous retroviral sequence, 5' and 3' LTR	Beta-alanine synthase
Integrin beta1	Ornithine decarboxylase
Paraoxonase 1	Insulin-like growth factor binding protein 1
Apoptosis-regulating basic protein	Phase-1 RCT-109
Phase-1 RCT-181	Octamer binding protein 1
Phase-1 RCT-264	Phase-1 RCT-145
Voltage-dependent anion channel 2 (Vdac2)	NADP-dependent isocitrate dehydrogenase, cytosolic
Phase-1 RCT-33	Phase-1 RCT-39
Phase-1 RCT-36	Matrin F/G
Phase-1 RCT-52	Phase-1 RCT-289
Thymosin beta-10	Organic anion transporter 3

Table 7 Randomly Selected Gene Subsets from 24 H Combo 5 3 2 Gene Set (52 Genes)*

Rand 5 (1)	Rand 5 (2)
Phase-1 RCT-207	Phase-1 RCT-233
60S ribosomal protein L6 (alternate clone 1)	Integrin beta1
Cathepsin L	Phase-1 RCT-50
Phase-1 RCT-145	Phase-1 RCT-145
Phase-1 RCT-65	Phase-1 RCT-225

Rand 10 (1)	Rand 10 (2)
MHC class I antigen RT1.A1(f) alpha-chain	Phase-1 RCT-65
Beta-actin	Gadd153
Beta-tubulin, class I	Phase-1 RCT-36
Cathepsin L	Phase-1 RCT-60
c-jún	Phase-1 RCT-181
Matrin F/G	60S ribosomal protein L6
Phase-1 RCT-225	Phase-1 RCT-144
Phase-1 RCT-288	Phase-1 RCT-192
Phase-1 RCT-36	Zinc finger protein
Phase-1 RCT-50	Phase-1 RCT-205

Rand 15 (2)
60S ribosomal protein L6 (alternate clone 1)
14-3-3 zeta
60S ribosomal protein L6
Alpha-tubulin
Beta-actin
Beta-tubulin, class I
Cathepsin L
c-jun
c-myc
Cytochrome P450 11A1
Gadd153
Gadd45
Gamma-actin, cytoplasmic
ID-1





Phase-1 RCT-92	IgE binding protein

Table 8 Randomly Selected Gene Subsets from Array Genes Excluding Combo All Set*

Rand 5 (1)	Rand 5 (2)					
Heme binding protein 23	Phase-1 RCT-147					
alpha-1,2-fucosyltransferase	NADPH cytochrome P450 reductase					
Metallothionein 1	Phase-1 RCT-236					
Phase-1 RCT-83	CXCR4					
Pim1 proto-oncogene	TGF-beta receptor type II					

Rand 10 (1)	Rand 10 (2)				
Protein kinase C beta1	Phase-1 RCT-176				
Phase-1 RCT-14	p55CDC				
Retinoid X receptor alpha	Connexin-32				
Phase-1 RCT-221	Aryl sulfotransferase				
Cytochrome P450 2C11	Diacylglycerol kinase zeta				
Phase-1 RCT-173	Phase-1 RCT-59				
Inter-alpha-inhibitor H4 heavy chain (Itih4)	Phase-1 RCT-293				
Major acute phase protein alpha-1	Thioredoxin-2 (Trx2)				
ADP-ribosylation factor-like protein ARL184	Diazepam binding inhibitor				
Cellular retinoic acid binding protein 2	Phase-1 RCT-47				

Rand 15 (1)	Rand 15 (2)
Phase-1 RCT-42	Neurofibromin (NF1 tumor suppressor)
Tissue factor pathway inhibitor	Interleukin-1 beta
C-reactive protein	Glutathione S-transferase alpha subunit
Caspase 2	Protein O-mannosyltransferase 1 (Pomt1)
Cyclin D3	Phase-1 RCT-32
Dopamine transporter	Monoamine oxidase A
DNA topoisomerase I	25-hydroxyvitamin D3-1 alpha- hydroxylase
Multidrug resistant protein-3	Acyl-CoA dehydrogenase, medium chain
Defender against cell death-1	Macrophage inflammatory protein-1 alpha

CXCR4	Phase-1 RCT-133
Cytochrome c oxidase subunit II	Na/K ATPase alpha-1
Low density lipoprotein receptor	Vesicular monoamine transporter (VMAT)
Farnesol receptor	Phase-1 RCT-176
H-rev107	Alpha-fetoprotein
8-oxoguanine DNA glycosylase	Phase-1 RCT-177

Table 9 Liver Inflammation Individual Sample Prediction Values for 24 Hour Data Predictive Genes (Combined List and Subsets)

Gene	Prediction Measure*								
Set (#)	Overall Accuracy**	FP _i **	FN _i **	GMM _i **	GMM _N **				
Combo All (183)	0.860 (0.785 - 0.933)	0.092 (0.014 - 0.123)	0.167 (0.000 - 0.500)	0.862 (0.671 - 0.993)	0.891 (0.791 - 0.939)				
Combo 5 (1)	0.845 (0.779 - 0.904)	0.120 (0.075 - 0.169)	0.100 (0.000 - 0.167)	0.890 (0.832 - 0.962)	0.845 (0.777 - 0.905)				
Combo 3 (23)	0.849 (0.831 - 0.880)	0.098 (0.029 - 0.152)	0.167 (0.000 - 0.333)	0.861 (0.765 - 0.954)	0.823 (0.555 - 0.919)				
Combo 2 (28)	0.793 (0.747 - 0.827)	0.171 (0.116 - 0.212)	0.300 (0.000 - 0.500)	0.753 (0.636 - 0.888)	0.857 (0.759 - 0.893)				
Combo 1 (131)	0.804 (0.709 - 0.907)	0.156 (0.043 - 0.205)	0.200 (0.000 - 0.500)	0.817 (0.645 - 0.978)	0.860 (0.729 - 0.945)				

Table 10 Liver Inflammation Compound-Dose Prediction Values for 24 Hour Data Predictive Genes (Combined List and Subsets)

Gene Set	Number of Genes	Overall Accuracy**
Combo All	183	0.869 (0.741 - 0.962)
Combo 5	1	0.892 (0.846 - 0.958)
Combo 3	23	0.860 (0.833 - 0.885)
Combo 2	28	0.814 (0.769 - 0.846)
Combo 1	131	0.839 (0.704 - 0.885)

Table 11 Liver Inflammation Compound Prediction Values for 24 Hour Data Predictive Genes (Combined List and Subsets)

Gene Set	Number of Genes	Overall Accuracy**
Combo	183	0.864 (0.739 – 0.955)
Combo 5	1	0.886 (0.826 - 0.952)
Combo 3	23	0.855 (0.810 – 0.885)
Combo 2	28	0.796 (0.739 – 0.846)
Combo 1	131	0.839 (0.696 – 0.909)

Table 12 Individual Gene Predictions: Combo 3

Gene Name				
Olio Hamo	Mean	s.d.	min	max
60S ribosomal protein L6 (alternate clone				
1)	0.602		_	
60S ribosomal protein L6	0.715			
Beta-tubulin, class I	0.417	0.042		
c-jun	0.641	0.044		
Gadd45	0.727			
ID-1	0.564			
IkB-a	0.629			
Integrin beta1	0.740			
MAP kinase kinase	0.570			
Macrophage inflammatory protein-2 alpha	0.561	0.058		
Multidrug resistant protein-2	0.609			
Organic cation transporter 3	0.711	0.070		
Phase-1 RCT-144	0.762			
Phase-1 RCT-145	0.634			
Phase-1 RCT-179	0.710	0.038	0.658	
Phase-1 RCT-192	0.675	0.051		
Phase-1 RCT-207	0.734	0.022		
Phase-1 RCT-225	0.579	0.023	0.556	0.608
Phase-1 RCT-242	0.62	0.106	0.46	0.747
Phase-1 RCT-49	0.66	0.057	0.58	7 0.727
Phase-1 RCT-50	0.609	0.032	0.57	0.653
Phase-1 RCT-92	0.604	1 0.33	0.23	0.883
Zinc finger protein	0.77		1 0.72	0.819
Zillo Illigor protos.				
Average Individual Combo 3	0.64	6 0.07		
Minimum Individual Combo 3	0.41	7 0.02	2 0.23	
Maximum Individual Combo 3	0.77	5 0.33	5 0.72	2 0.883

Table 13 Individual Gene Predictions: Combo 2

Gene Name	e Overall Correct Calls				
	Mean		min	max	
14-3-3 zeta	0.702			0.827	
Alpha-tubulin	0.450		0.239		
Beta-actin	0.639		0.571	0.681	
Cathepsin L, sequence 2	0.509		0.127		
с-тус	0.672				
Cytochrome P450 11A1	0.677	0.180			
Gadd153	0.502				
IgE binding protein	0.721				
L-gulono-gamma -lactone oxidase	0.680				
Matrin F/G	0.695	0.132			
MHC class I antigen RT1.A1(f) alpha-	0.475	0.139	0.360	0.707	
chain			L		
Nucleoside diphosphate kinase beta	0.573	0.062	0.506	0.653	
isoform			0.00	0.764	
Ornithine decarboxylase	0.666				
PAR interacting protein	0.720				
Phase-1 RCT-181	0.73				
Phase-1 RCT-185	0.61				
Phase-1 RCT-205	0.58				
Phase-1 RCT-213	0.59				
Phase-1 RCT-233	0.65				
Phase-1 RCT-258	0.72				
Phase-1 RCT-288	0.85				
Phase-1 RCT-33	0.67				
Phase-1 RCT-36	0.64				
Phase-1 RCT-39	0.65	0.07			
Phase-1 RCT-60	0.56	9 0.08			
Phase-1 RCT-64	0.81	4 0.05			
Phase-1 RCT-65	0.55	7 0.05			
Phase-1 RCT-78	0.80	5 0.16	7 0.50	6 0.886	
11100 11101 1					
Average Individual Combo 3	0.64	9 0.13			
Minimum Individual Combo 3	0.45	0.01			
Maximum Individual Combo 3	0.85	9 0.32	4 0.83	0.886	

Table 14 Comparison of Predictivity for True Liver Inflammation Classification and Random Classification Using Combo Gene Sets and Random Subsets and 24h data

		Overall Accuracy**												
Gene List*	Gene Subset*	Correc	t C	lassific	a	ion			Rand	or	n Classif	ic	ation]
Gene List	COMO CUSCO.	Mean		Min	-	Max			Mean		Min.	1	Max.	
			П											
Combo All	All Genes	0.860	(0.785					0.149	(0.055	-	0.278	
	5 genes (1)	0.648	(0.315					0.479	(0.178	-	0.785	-
	5 genes (2)	0.808	(0.764					0.177	L	0.093	-	0.278	_
	10 genes (1)	0.839	(0.759					0.173	(0.152	-	0.205	_
	10 genes (2)	0.843	(0.785				ļ	0.199	L	0.107	-	0.266	-
	15 genes (1)	0.735	(0.658					0.232	K	0.151	F	0.292	т-
	15 genes (2)	0.799	1	0.696	ŀ	0.867	1)	ļ	0.181	Į(0.137	╞	0.293	1
					L		Ļ	<u> </u>		Ļ	- 100	1	2.054	Ļ
Combo 532	All Genes	0.852	(0.797	-	0.907	_		0.223	Ц	0.139	+-	0.354	÷
	5 genes (1)	0.766	1	0.722	-	0.800	1)		0.239	Ų	0.167	-	0.299	•
	5 genes (2)	0.789	1	0.764	<u> </u> -	0.818	1)	<u> </u>	0.177	1	0.133	┰	0.278	*
	10 genes (1)	0.778	(0.722	ŀ	0.818		<u> </u>	0.185	Ц	0.111	+	0.234	•
	10 genes (2)	0.813	7	0.764	-	0.844			0.256	1	0.139	_	0.351	т
	15 genes (1)	0.763	1	0.722	-	0.840)	0.205	1	0.111	ŀ	0.299	Т
	15 genes (2)	0.867	1	0.823	T-	0.903	3)	0.193	1	0.123	ŀ	0.253	1)
	1 3		T		Т		I					1		1
All-Pred	5 genes (1)	0.559	1	0.467	Ţ.	0.625	5)	0.244	10	0.187	-	0.342	7
	5 genes (2)	0.612	1		_	0.747	_		0.205		0.139	ŀ	0.280	4
	10 genes (1)	0.691	1		_	0.787	_)	0.219		0.152	ŀ	0.307	1
<u> </u>	10 genes (2)	0.528	7	0.431	-1-	0.693	_)	0.197		(0.093		0.293	1
	15 genes (1)	0.509	7	0.456			-)	0.194	1	0.080		0.301	
	15 genes (2)	0.623	T	_	_	0.733)	0.220		0.167		0.247	'

Table 15 Distribution of Compounds* in Individual Training and Test Sets for 6 Hour Liver Inflammation Data

	Set 1 Positive**- Necrosis	with Inflammation	Test Set 1 Negative**	Necrosis	Test Set 1 Positive**- Necrosis with Inflammation
CHLOR-Low*	TET-High ⁺	DMN-High ⁺	HYD-High [†]	APAP-High ⁺	BRB-Low [†]
TAM-High	CCL4-Low	ANIT-High	CYCA-Low		CAD-4
BEN-Low		CCL4-High	GEN-Low		BRB-High
CHEX-High		LPS-High	ERY-Low	<u> </u>	
5-FU-Low		AFLB	CMC-Low		
NAL-High			PHEN-High		
TAM-Low			DOX-Low		ļ
ERY-High			ANIT-Low		
PEG-Low			QUIN-Low		
HYD-Low			5-FU-Hi		
CPHOS-Low			DOX-High		
CAD-Low			BAP-High		
CLO-Low			CIS-Low		
STRZ-Low			KETO-High		
GEN-High			CIS-High		
GAN-Low			CAR-Low		
CPHOS-High			BEN-High		
QUIN-High			CLOZ-Low		
NAL-Low			CLOZ-High		
EST-Low			PBARB-High		
STRZ-High			DIF-Low		
THEO-High			PHEN-Low		ļ
EST-High			KETO-Low		
ETH-Low			AMPB-Low		ļ
PBARB-Low			GAN-High	ļ	
CAR-High					
TET-Low					
CHCL3-Low					
AMPB-Hi					
CHCL3-High					
ISON-Low					
THEO-Low					
MET-High					<u></u>

PUR-High		L		
CLO-High				
DEX-High				
APAP-Low	•			
BUS-Low				
PUR-Low				
DIF-High				
CAD-High				
BAP-Low				
LPS-Low				
ISON-High				
CHLOR-High			<u> </u>	
MET-Low			<u> </u>	
CHEX-Low			ļ	
DEX-Low			ļ	
BUS-High			<u> </u>	
CYCA-High			<u> </u>	

Training Set 2 Negative	2 Positive-	Training Set 2 Positive- Necrosis with Inflammation	Test Set 2 Negative	Test Set 2 Positive- Necrosis	Test Set 2 Positive- Necrosis with Inflammation
QUIN-High	CCL4-Low	LPS-High	QUIN-Low	TET-High	DMN-High
DOX-Low	APAP-High	AFLB	CMC-Low		BRB-Low
CHEX-Low	 	BRB-High	CLO-High		CAD-4
THEO-Low		ANIT-High	STRZ-Low	<u> </u>	
BUS-Low		CCL4-High	BUS-High		
STRZ-High			ISON-High		
CPHOS-Low			CYCA-High		
GAN-High			THEO-High		
BEN-Low			CLO-Low		
EST-High			AMPB-Hi		
ANIT-Low			CYCA-Low		
HYD-High			CHCL3-High		
DIF-Low			CLOZ-Low		
ISON-Low			GEN-Low	<u> </u>	
GAN-Low			AMPB-Low		
KETO-High			TET-Low		
PBARB-Low			CAD-Low		

PHEN-High	NAL-Low NAL-Low
BEN-High	CHLOR-Low
CIS-Low	ERY-High
CHLOR-High	GEN-High
ETH-Low	PUR-High
CLOZ-High	DIF-High
PUR-Low	HYD-Low
CHCL3-Low	DOX-High
PHEN-Low	
ERY-Low	
5-FU-Hi	
CAR-High	
MET-High	
CIS-High	
5-FU-Low	
CHEX-High	
TAM-High	·
EST-Low	
APAP-Low	
NAL-High	
LPS-Low	
CPHOS-High	
CAD-High	
MET-Low	
BAP-High	
TAM-Low	
KETO-Low	
BAP-Low	
DEX-Low	
PBARB-High	
DEX-High	
CAR-Low	
PEG-Low	

Training Set 3 Negative	3 Positive-	Training Set 3 Positive- Necrosis with Inflammation	Test Set 3 Negative	Test Set 3 Positive- Necrosis	Test Set 3 Positive- Necrosis with Inflammation
CPHOS-Low	TET-High	ANIT-High	ISON-Low	CCL4-Low_	CAD-4
CHEX-High	APAP-High	BRB-Low	QUIN-High	<u> </u>	BRB-High

THEO-Low	AFLB	NAL-High	LPS-H	ligh
AMPB-Low	DMN-High	CHEX-Low		-
5-FU-Low	CCL4-High	ETH-Low		
CHLOR-High		TAM-High		
APAP-Low		GAN-Low		
THEO-High		BUS-High		
STRZ-High		STRZ-Low		
CPHOS-High		NAL-Low		
DEX-High		PHEN-Low		
ISON-High		BAP-High		
HYD-High		CLO-High	 	
BEN-High		PHEN-High	 	<u> </u>
CAR-Low		ERY-Low	 	
5-FU-Hi		PEG-Low	 	
CLO-Low		LPS-Low	 	
EST-Low		CLOZ-High	 	
CAR-High		GAN-High	 	·
CIS-High		GEN-Low	 	
		DIF-Low	-	
CHCL3-High			 	
PUR-High		PBARB-Low	 	
BEN-Low		KETO-Low	 	
CLOZ-Low		PBARB-High	 	
BAP-Low		PUR-Low	 	
CHCL3-Low			 	
TAM-Low			 	
DIF-High			 	
DEX-Low				
ANIT-Low			 	
CYCA-High				
DOX-High			 	
TET-Low				
GEN-High			 _ _ _ _ _	
BUS-Low			<u> </u>	
CMC-Low			 	
AMPB-Hi				
MET-High			 	
HYD-Low				
CIS-Low				·····
QUIN-Low				
CYCA-Low				
CAD-Low				
MET-Low				
DOX-Low				
KETO-High				
CHLOR-Low				
CAD-High				
ERY-High				

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EST-High		1			
-SI-HIOD I	1	1	1	_	

	Set 4 Positive- Necrosis	Training Set 4 Positive- Necrosis with Inflammation	Test Set 4 Negative	Test Set 4 Positive- Necrosis	Test Set 4 Positive- Necrosis with Inflammation
ERY-Low	TET-High	CAD-4	TET-Low	APAP-High	DMN-High
BAP-Low	CCL4-Low	AFLB	GEN-High		BRB-High
MET-High		BRB-Low	KETO-Low		ANIT-High
ISON-High		LPS-High	DEX-High		
DIF-Low		CCL4-High	CAR-High	<u> </u>	
5-FU-Hi		<u> </u>	CLO-Low		_
HYD-High			CAD-Low		
PUR-High			CHLOR-High		
THEO-Low			DOX-Low		
DEX-Low			5-FU-Low		
QUIN-Low			CHCL3-High	<u> </u>	
CHCL3-Low			AMPB-Hi	<u> </u>	
THEO-High			DIF-High		
PEG-Low			CPHOS-Low		
EST-Low		l	STRZ-Low		
CHEX-High			QUIN-High		
AMPB-Low			CHEX-Low		
CYCA-High			CLO-High		
LPS-Low			BUS-Low	<u> </u>	
CLOZ-Low			GAN-High		
TAM-Low			ISON-Low		
GEN-Low			TAM-High		v
BAP-High			BUS-High		
CIS-Low			DOX-High		
BEN-Low			CMC-Low		
KETO-High					
CPHOS-High				<u> </u>	
STRZ-High					
CIS-High			-		
HYD-Low				1	
NAL-Low				<u> </u>	
MET-Low					
PHEN-High					
ETH-Low			<u> </u>		J

		ı	1	. 1	. 1
CHLOR-Low					
CLOZ-High					
PBARB-Low		_			
BEN-High					
APAP-Low					
ERY-High					
EST-High					
PUR-Low					
CYCA-Low					
CAR-Low					
ANIT-Low	170	<u></u>			
GAN-Low					
PBARB-High					
NAL-High			<u> </u>		
PHEN-Low					
CAD-High					<u> </u>

	5 Positive- Necrosis	Training Set 5 Positive- Necrosis with Inflammation	Test Set 5 Negative	Test Set 5 Positive- Necrosis	Test Set 5 Positive- Necrosis with Inflammation
CAR-Low	APAP-High	BRB-High	BUS-High	TET-High	CCL4-High
TET-Low	CCL4-Low	LPS-High	ISON-High		BRB-Low
QUIN-Low		DMN-High	CMC-Low		AFLB
CPHOS-Low		ANIT-High	AMPB-Low		
MET-High		CAD-4	HYD-Low		
5-FU-Hi			GEN-High		
GAN-Low			BAP-High		
DOX-High			PBARB-High		
BAP-Low			CIS-High		
BEN-Low			PHEN-High		
CHEX-High			ERY-High		<u> </u>
NAL-High			KETO-High		
PBARB-Low			THEO-High	<u> </u>	<u> </u>
STRZ-High			BUS-Low		
PEG-Low			CHCL3-Low		
ERY-Low			EST-High		
DIF-Low			APAP-Low	<u> </u>	

AMPB-Hi	CHLOR-High
PUR-High	CAD-High
GEN-Low	5-FU-Low
ETH-Low	CYCA-High
GAN-High	ISON-Low
CYCA-Low	PHEN-Low PHEN-Low
CLOZ-High	MET-Low
HYD-High	PUR-Low
NAL-Low	
CHLOR-Low	
CLO-Low	
CAR-High	
TAM-Low	
STRZ-Low	
CPHOS-High	
CLO-High	
CHEX-Low	
THEO-Low	
ANIT-Low	
DOX-Low	
CIS-Low	
DEX-High	
TAM-High	
EST-Low	
DIF-High	
DEX-Low	
CLOZ-Low	
CHCL3-High	
KETO-Low	
CAD-Low	
QUIN-High	
LPS-Low	·
BEN-High	

Table 16 List of Genes, Whose Expression at 6h Directly Correlates with Liver Inflammation at 72h, Ranked by Pearson Correlation Coefficient

Gene	Correlation Coefficient
Phase-1 RCT-207	0.383
Phase-1 RCT-59	0.356
	0.346
c-jun Phase-1 RCT-50	0.327
	0.321
Cyclin G Phase-1 RCT-144	0.320
Gadd153	0.317
	0.313
ID-1	0.310
Heme oxygenase	0.300
Zinc finger protein	0.299
NIPK	0.295
Phase-1 RCT-179	0.293
Phase-1 RCT-197	0.293
Gadd45	0.275
Activating transcription factor 3	0.274
c-myc	0.270
Melanoma-associated antigen ME491	0.265
Beta-tubulin, class I	0.260
Phase-1 RCT-49	
Waf1	0.259 0.253
14-3-3 zeta	
Phase-1 RCT-225	0.252
Cathepsin L, sequence 2	0.248
Phase-1 RCT-212	0.247
Phase-1 RCT-242	0.243
Ferritin H-chain	0.235
Phase-1 RCT-62	0.232
Phase-1 RCT-75	0.232
Argininosuccinate lyase	0.230
Phase-1 RCT-156	0.230
Caspase 6	0.229
Insulin-like growth factor binding protein 1	0.227
Phase-1 RCT-228	0.227
Phase-1 RCT-109	0.225
Integrin beta1	0.224
Colony-stimulating factor-1	0.223
Phase-1 RCT-111	0.221
Phase-1 RCT-191	0.220
Phase-1 RCT-72	0.220
Phase-1 RCT-103	0.220

Phase-1 RCT-12	0.218
Matrix metalloproteinase-1	0.217
Phase-1 RCT-127	0.216
NGF-inducible anti-proliferative putative secreted	
protein (PC3)	0.216
Phase-1 RCT-171	0.215
Macrophage inflammatory protein-1 alpha	0.212
Phase-1 RCT-259	0.211
MHC class I antigen RT1.A1(f) alpha-chain	0.210
Phase-1 RCT-95	0.208
Phase-1 RCT-235	0.204
Phase-1 RCT-55	0.203
Phase-1 RCT-221	0.202
Ubiquitin conjugating enzyme (RAD 6 homologue)	0.202
Macrophage inflammatory protein-2 alpha	0.201

Table 17 List of Genes, Whose Expression at 6 h Inversely Correlates with Liver Inflammation at 72h, Ranked by Spearman Correlation Coefficient

Gene	Correlation Coefficient
Diacyiglycerol kinase zeta	-0.150
Carbamyl phosphate synthetase I	-0.151
Phase-1 RCT-28	-0.152
Cyclin D3	-0.154
3-methyladenine DNA glycosylase	-0.154
Phase-1 RCT-63	-0.155
8-oxoguanine DNA glycosylase	-0.156
Cholesterol 7-alpha-hydroxylase (P450 VII)	-0.160
Phase-1 RCT-141	-0.160
Peroxisome assembly factor 1	-0.161
Phase-1 RCT-184	-0.161
Phase-1 RCT-260	-0.162
Glutamine synthetase	-0.162
Vesicular monoamine transporter (VMAT)	-0.162
Phase-1 RCT-112	-0.167
Inositol polyphosphate multikinase (Ipmk)	-0.168
Phase-1 RCT-280	-0.171
Matrin F/G	-0.172
Selenoprotein P	-0.172
Complement component C3	-0.172
Phase-1 RCT-32	-0.172
Phase-1 RCT-13	-0.174
Phase-1 RCT-114	-0.175
Organic anion transporter K1	-0.176
Phase-1 RCT-82	-0.176
Phase-1 RCT-168	-0.177
Carbonic anhydrase II	-0.179
Cytochrome P450 2E1	-0.181
Stem cell factor	-0.183
Phase-1 RCT-83	-0.184
C4b-binding protein	-0.184
Phase-1 RCT-140	-0.185
JNK1 stress activated protein kinase	-0.187
Peroxisomal multifunctional enzyme type II	-0.189
Cyclin dependent kinase 4	-0.189
Organic anion transporter 3	-0.190
Alcohol dehydrogenase 1	-0.190
Phase-1 RCT-139	-0.196
Emerin	-0.199
Phase-1 RCT-173	-0.205
Nucleosome assembly protein	-0.207

Phase-1 RCT-73	-0.209
Phase-1 RCT-214	-0.214
Phase-1 RCT-119	-0.215
Tryptophan hydroxylase	-0.216
PTEN/MMAC1	-0.217
Thymidylate synthase	-0.220
DNA topoisomerase I	-0.223
Phase-1 RCT-40	-0.228
Sarcoplasmic reticulum calcium ATPase	-0.228
Protein tyrosine phosphatase alpha	-0.238
Carbonic anhydrase III	-0.243
3-beta-hydroxysteroid dehydrogenase (HSD3B1)	-0.256
Phase-1 RCT-161	-0.261
Glucokinase	-0.265
Senescence marker protein-30	-0.275
Acetyl-CoA carboxylase	-0.294

Table 18 List of genes whose expression at 6 hours is predictive of liver inflammation at 72 hours

Gene	Combination* (No. of Occurrences)
Gadd153	5
Argininosuccinate lyase	4
Beta-tubulin, class I	4
Cathepsin L, sequence 2	4
c-myc	. 4
Heme oxygenase	4
Insulin-like growth factor binding protein 1	4
Integrin beta1	4
Interferon related developmental regulator IFRD1 (PC4)	4
Monoamine oxidase B	4
NIPK	4
Phase-1 RCT-127	4
Phase-1 RCT-197	4
Phase-1 RCT-207	4
Phase-1 RCT-242	4
Phase-1 RCT-50	4
Phase-1 RCT-72	4
Phase-1 RCT-75	4
Senescence marker protein-30	4
8-oxoguanine DNA glycosylase	3
Axin	3
C4b-binding protein	3
Carbamyl phosphate synthetase I	3
Caspase 6	3
c-jun	3
Cyclin G	3
Gadd45	3
ID-1	3
JNK1 stress activated protein kinase	3
Macrophage inflammatory protein-1 alpha	3
NGF-inducible anti-proliferative putative secreted protein (PC3)	3
Peroxisome proliferator activated receptor gamma	3
Phase-1 RCT-161	3
Phase-1 RCT-168	3
Phase-1 RCT-184	3
Phase-1 RCT-214	3
Phase-1 RCT-225	3
Phase-1 RCT-287	3
Phase-1 RCT-40	3
Phase-1 RCT-49	3

Phase-1 RCT-89	3
	3
Selenoprotein P	3
Stem cell factor	3
Zinc finger protein	
Phase-1 RCT-171	2
14-3-3 zeta	2
3-methyladenine DNA glycosylase	2
Acetyl-CoA carboxylase	2
Alcohol dehydrogenase 1	2
Alpha-fetoprotein	2
AT-3	2
Carbonic anhydrase III	2
Cholesterol 7-alpha-hydroxylase (P450 VII)	2
Ciliary neurotrophic factor	2
Cofilin	2
Colony-stimulating factor-1	2
Cytochrome P450 2E1	2
DNA binding protein inhibitor ID2	2
DNA polymerase beta	2
DNA topoisomerase I	2
Elongation factor-1 alpha	2
Emerin	2
Equilbrative nitrobenzylthioinosine-sensitive nucleoside transporter	2
Ferritin H-chain	2
Fetuin beta (Fetub)	2
Gamma-actin, cytoplasmic	2
Glucokinase	2
Glucose-regulated protein 78	2
Glutathione S-transferase theta-1	2
HMG CoA reductase	2
	2
Insulin-like growth factor I	2
Iron-responsive element-binding protein	2
Matrin F/G	2
Melanoma-associated antigen ME491	
Multidrug resistant protein-2	2
NADP-dependent isocitrate dehydrogenase, cytosolic	2
Nucleosome assembly protein	2
Peroxisomal multifunctional enzyme type II	2
Peroxisome assembly factor 1	2
Phase-1 RCT-252	2
Phase-1 RCT-109	2
Protein O-mannosyltransferase 1 (Pomt1)	2
Phase-1 RCT-123	2
Phase-1 RCT-141	2
Phase-1 RCT-144	2
Phase-1 RCT-166	2
11100 11101 100	

Phase-1 RCT-169	2
Phase-1 RCT-173	2
Phase-1 RCT-179	2
Phase-1 RCT-18	2 2 2 2 2
Phase-1 RCT-191	2
Phase-1 RCT-221	2
Phase-1 RCT-251	2
Phase-1 RCT-270	2
Phase-1 RCT-28	2
Phase-1 RCT-289	2
Phase-1 RCT-297	2
Phase-1 RCT-32	2
Phase-1 RCT-55	2
Phase-1 RCT-59	2
Phase-1 RCT-62	2
Phase-1 RCT-63	2
Phase-1 RCT-65	2
Phase-1 RCT-66	2
Phase-1 RCT-71	2
Phase-1 RCT-73	2
Phase-1 RCT-82	2
Phase-1 RCT-9	2 2
Phase-1 RCT-95	
Proliferating cell nuclear antigen gene	2
Pyruvate kinase, muscle	2
Ribosomal protein L13A	
Thioredoxin-1 (Trx1)	2
Thymidylate synthase	2
Cyclin-dependent kinase 4 inhibitor P27kip1 (alternate clone)	1
Cytochrome P450 2C39 (alternate clone 2)	1
3-beta-hydroxysteroid dehydrogenase (HSD3B1)	1
3-hydroxyisobutyrate dehydrogenase	1
Activating transcription factor 3	1
Activin receptor type II	1
Acyl-CoA dehydrogenase, medium chain	1
Adenine nucleotide translocator 1	1
Alpha-1 acid glycoprotein	1
Alpha-1 microglobulin/bikunin precursor (Ambp)	1
Alpha-2-macroglobulin, sequence 2	1
Alpha-2-microglobulin	1
Apolipoprotein E	1
Aryl sulfotransferase	1
	1
Carbonic anhydrase II	1
	1
	1
Ceruloplasmin	1
Aryl sulfotransferase Urinary protein 2 precursor Carbonic anhydrase II Carbonic anhydrase III, sequence 2 Carbonyl reductase	1 1 1 1

Complement component C3	1
Complement factor I (CFI)	1
Cyclin D3	1
Cystatin C	1
Cytochrome P450 1A2	. 1
Cytochrome P450 2C11	1
Diacylglycerol kinase zeta	1
Disulfide isomerase related protein (ERp72)	1
Dynamin-1 (D100)	1
Endogenous retroviral sequence, 5' and 3' LTR	1
Epoxide hydrolase	· 1
Focal adhesion kinase (pp125FAK)	1
Gap junction membrane channel protein beta 1	
(Gjb1)	1
Glucose transporter 2	11
Glutamine synthetase	11
Glutathione S-transferase Yb2 subunit	11
Glutathione S-transferase P1	1
Glutathione S-transferase Ya	11
Glycine methyltransferase	1
Hepatic lipase	1
Hypoxia-inducible factor 1 alpha	1
lkB-a	1
Insulin-like growth factor binding protein 5	1
Integrin beta-4	1
Inter-alpha-inhibitor H4 heavy chain (Itih4)	1
Liver fatty acid binding protein	1
Lysyl oxidase	1
Macrophage inflammatory protein-2 alpha	1
Malate dehydrogenase, cytosolic	1
Matrix metalloproteinase-1	1
Methylacyl-CoA racemase alpha	1
MHC class I antigen RT1.A1(f) alpha-chain	1
MHC class II antigen RT1.B-1 beta-chain	1
Multidrug resistant protein-1	1
Multidrug resistant protein-1	1
NADPH cytochrome P450 oxidoreductase	1
N-cadherin	1
Organic anion transporter 3	1
Organic anion transporting polypeptide 1	1
Organic cation transporter 3	J. 1
Osteopontin	1
Phase-1 RCT-10	1
Phase-1 RCT-103	1
Phase-1 RCT-108	1
Phase-1 RCT-111	1
Phase-1 RCT-112	11
Phase-1 RCT-113	1
Phase-1 RCT-114	1

Phase-1 RCT-117	1
Phase-1 RCT-119	1
Phase-1 RCT-12	1
Phase-1 RCT-13	
	<u>-</u>
Phase-1 RCT-136	
Phase-1 RCT-137	
Phase-1 RCT-138	1
Phase-1 RCT-140	
Phase-1 RCT-142	1
Phase-1 RCT-143	11
Phase-1 RCT-145	1
Phase-1 RCT-148	1
Phase-1 RCT-15	1
Phase-1 RCT-151	11
Phase-1 RCT-156	11
Phase-1 RCT-158	1
Phase-1 RCT-164	1
Phase-1 RCT-180	1
Phase-1 RCT-189	1
Phase-1 RCT-192	1
Phase-1 RCT-195	1
Phase-1 RCT-202	1
Phase-1 RCT-204	1
Calgranulin B	1
Phase-1 RCT-212	1
Phase-1 RCT-22	1
Phase-1 RCT-235	1
Phase-1 RCT-240	1
Phase-1 RCT-241	1
Phase-1 RCT-25	1
Phase-1 RCT-258	1
Phase-1 RCT-259	1
	1
Phase-1 RCT-260	1
Phase-1 RCT-261	1
Phase-1 RCT-264	1
Phase-1 RCT-278	
Phase-1 RCT-280	1
Phase-1 RCT-281	1
Phase-1 RCT-288	1
Phase-1 RCT-29	11
Phase-1 RCT-290	1
Phase-1 RCT-294	1
Phase-1 RCT-3	11
Phase-1 RCT-34	1
Phase-1 RCT-39	11
Phase-1 RCT-42	11
Phase-1 RCT-43	11
7,1100	<u> </u>

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Phase-1 RCT-45	1
Phase-1 RCT-53	1
Phase-1 RCT-54	1
Phase-1 RCT-56	1
Phase-1 RCT-76	1
Phase-1 RCT-83	1
Phase-1 RCT-90	1
Phase-1 RCT-91	11
Phase-1 RCT-96	1
Phosphatidylethanolamine-binding protein	_1
Phospholipase D	11
Prostaglandin H synthase	11
Protein tyrosine phosphatase alpha	11
PTEN/MMAC1	11
Retinol-binding protein (RBP)	11
Ribosomal protein L13	1
Ribosomal protein S9	1
Sarcoplasmic reticulum calcium ATPase	11
Stathmin	11
Superoxide dismutase Mn	1
Syndecan-1	1
Tissue factor pathway inhibitor	1
Tissue plasminogen activator	1
Tryptophan hydroxylase	11
Ubiquitin conjugating enzyme (RAD 6 homologue)	1
UDP-glucuronosyltransferase	1
Vascular endothelial growth factor	1
Very long-chain acyl-CoA synthetase	1
Vesicular monoamine transporter (VMAT)	1
VL30 element	11
Waf1	11

Table 19 Comparison of Predictivity for True Liver Inflammation Classification and Random Classification Using Combo Gene Sets and 6h data

		Overall Accuracy**					
Gene List*	Corre	ct	Classific	ca	tion	Τ	Random Classification
	Mean	Τ	Min	-	Max	T	Mean Min Max.
Combo All	0.736	1	0.638	-	0.815)[0.405 (0.321 - 0.463)
Combo 5	0.660	7	0.364	-	0.788)	0.448 (0.210 - 0.597)
Combo 4	0.767	1	0.650	-	0.840	T	0.302 (0.150 - 0.378)
Combo 3	0.745	1	0.700	-	0.802)	0.357 (0.309 - 0.425)
Combo 2	0.698	(0.538	-	0.770)	0.361 (0.325 - 0.420)
Combo 1	0.515	1	0.338	-	0.679)[0.378 (0.257 - 0.455)

Table 20 Distribution of Compounds* in Individual Training and Test Sets for 72 Hour Liver Inflammation Data

, and a second	Set 1	Training Set 1 Positive**- Necrosis with Inflammation	Test Set 1 Negative**	Test Set 1 Positive**- Necrosis	Test Set 1 Positive**- Necrosis with Inflammation
5-FU-High [†]	CCL4-Low ⁺	CCL4-High*	5-FU-Low*	APAP-High ⁺	ANIT-High [†]
AMPB-Low	TET-High	BRB-High	THEO-Low		DMN
APAP-Low	<u> </u>	AFLB	AMPB-High		
AZA-High		BRB-Low	ANIT-Low		
AZA-Low		LPS-High	CAD-Low		
BAP			CHCL3-High		
BEN-High			CHEX-High		
BEN-Low			CHEX-Low		
BUS			CLOZ-High	<u> </u>	
CAD-High			CLOZ-Low		
CAR			CYCA-High		
CHCL3-Low			DEX-Low		
CHLOR-High			ERY-High		
CHLOR-Low		,	GAN-Low_		<u> </u>
CIS-High			GEN-Low		<u> </u>
CIS-Low		<u> </u>	HYD-Low		
CLO-High			PHEN-High	<u> </u>	ļ
CLO-Low			PUR-High		
CMC		<u> </u>	PUR-Low_		
CPHOS-High			QUIN-High	<u> </u>	
CPHOS-Low			TET-Low	<u> </u>	
CYCA-Low			THEO-High		-
DEX-High		1			
DIF-High		ļ			
DIF-Low					
DOX					
ERY-Low		<u> </u>			
EST-High		<u> </u>			
EST-Low					
ETH					
GAN-High		<u> </u>			
GEN-High	<u> </u>	 			
HYD-High					

ISON-High	<u> </u>			
ISON-Low				
KETO-High				
KETO-Low				
LPS-Low				
MET				
NAL-High				
NAL-Low				
PBARB-High				
PBARB-Low				
PEG				
PHEN-Low		****		
QUIN-Low				
STRZ-High				
STRZ-Low				
TAM-High				
TAM-Low				

Training Set 2	Training	Training Set 2	Test Set 2	Test Set 2	Test Set 2
Negative	Set 2	Positive-	Negative	Positive-	Positive-
	Positive-	Necrosis with		Necrosis	Necrosis with
	Necrosis	Inflammation			Inflammation
	1				
PEG	CCL4-Low	AFLB	ANIT-Low	APAP-High	DMN
5-FU-High	TET-High	ANIT-High	APAP-Low		BRB-Low
5-FU-Low		BRB-High	BAP		
AMPB-High		CCL4-High	BEN-High		
AMPB-Low		LPS-High	CHEX-Low	•	
AZA-High			CIS-High		
AZA-Low			CLO-Low		
BEN-Low			CMC		
BUS			CPHOS-Low		
CAD-High			CYCA-High		
CAD-Low			DEX-Low		
CAR			EST-Low		
CHCL3-High			GEN-Low		•
CHCL3-Low			ISON-Low		
CHEX-High			LPS-Low		
CHLOR-High			NAL-High		

CHLOR-Low		PBARB-High
CIS-Low		PUR-Low
CLO-High		QUIN-High
CLOZ-High		STRZ-High
CLOZ-Low		STRZ-Low
CPHOS-High		THEO-Low
CYCA-Low		
DEX-High		
DIF-High		
DIF-Low		
DOX		
ERY-High		
ERY-Low		
EST-High		
ETH		
GAN-High	· .	
GAN-Low		
GEN-High		
HYD-High		
HYD-Low		
ISON-High		
KETO-High		
KETO-Low		
MET		
NAL-Low		
PBARB-Low	,	
PHEN-High		
PHEN-Low		
PUR-High		
QUIN-Low		
TAM-High		
TAM-Low		· ·
TET-Low		
THEO-High		

Training Set 3 Negative	3 Positive-	Training Set 3 Positive- Necrosis with Inflammation	Test Set 3 Negative	Test Set 3 Positive- Necrosis	Test Set 3 Positive- Necrosis with Inflammation
5-FU-High	APAP-High	AFLB	AMPB-Low	TET-High	LPS-High
5-FU-Low		ANIT-High	ANIT-Low		CCL4-High
AMPB-High		BRB-High	AZA-Low		
APAP-Low		BRB-Low	BEN-Low		
AZA-High		DMN	CHCL3-Low		
BAP			CHEX-High		
BEN-High		·	CIS-Low		
BUS			CLO-High		
CAD-High			CLO-Low		
CAD-Low			CYCA-Low		
CAR			DIF-High		
CHCL3-High			ERY-Low		
CHEX-Low			EST-Low		
CHLOR-High			GAN-High		
CHLOR-Low			GAN-Low		
CIS-High			HYD-Low		
CLOZ-High			ISON-Low		
CLOZ-Low			LPS-Low		
CMC			NAL-Low		
CPHOS-High			PUR-Low		
CPHOS-Low			STRZ-High	ļ	
CYCA-High			STRZ-Low	ļ	
DEX-High				<u> </u>	
DEX-Low			 	ļ	
DIF-Low					
DOX			 		
ERY-High	ļ		-		ļ
EST-High		<u> </u>	<u> </u>	 	
ETH	-		 	 	
GEN-High		 	 	 	
GEN-Low	ļ	 			
HYD-High	 		 	-	
ISON-High	 		+	1	
KETO-High	 		 	 	
KETO-Low	 			 	-
MET	 			 	
NAL-High	 			 	
PBARB-High	 				
PBARB-Low		<u></u>	<u> </u>	<u> </u>	

PEG	1				
PHEN-High					
PHEN-Low					
PUR-High					
QUIN-High			<u> </u>		
QUIN-Low					
TAM-Hìgh					
TAM-Low					
TET-Low					
THEO-High					
THEO-Low		<u> </u>	<u> </u>	L	<u> </u>

Training and Test Set 4

Training Set 4	Training Set	Training Set 4	Test Set 4	Test Set 4	Test Set 4
Negative	4 Positive-	Positive-	Negative	Positive-	Positive-
	Necrosis	Necrosis with		Necrosis	Necrosis with
		Inflammation		ļ	Inflammation
			Ì	-	
ļ	-			1	
				·	
AMPB-High	APAP-High	AFLB	5-FU-High	CCL4-Low	ANIT-High
ANIT-Low	TET-High	BRB-High	5-FU-Low		LPS-High
AZA-High		BRB-Low	AMPB-Low	<u> </u>	
AZA-Low		CCL4-High	APAP-Low		
BAP		DMN	BEN-High		
BEN-Low			CHLOR-Low		
BUS			CIS-High		
CAD-High			CIS-Low		
CAD-Low			CLO-High	 	
CAR			CPHOS-High		<u> </u>
CHCL3-High	<u> </u>		CYCA-High		
CHCL3-Low			CYCA-Low		
CHEX-High			ERY-High		
CHEX-Low			ERY-Low		
CHLOR-High		·	ISON-High		
CLO-Low			ISON-Low		
CLOZ-High			KETO-Low		
CLOZ-Low			PBARB-Low_		
СМС			PHEN-Low	- 	
CPHOS-Low			QUIN-Low		
DEX-High			TET-Low		
DEX-Low			THEO-Low		
DIF-High					

DIF-Low	 		
DOX			
EST-High			
EST-Low			
ETH			
GAN-High			
GAN-Low			
GEN-High		 	
GEN-Low		 	
HYD-High			
HYD-Low		 	
KETO-High		 	
LPS-Low			 ,
MET		 	
NAL-High		 	
NAL-Low			
PBARB-High			
PEG			
PHEN-High			
PUR-High			
PUR-Low			
QUIN-High			
STRZ-High			
STRZ-Low		 	
TAM-High			
TAM-Low			
THEO-High			

Training and Test Set 5

Training Set 5 Negative	5 Positive-	Training Set 5 Positive- Necrosis with Inflammation	Test Set 5 Negative	Positive-	Test Set 5 Positive- Necrosis with Inflammation
TAM-Low	APAP-High	ANIT-High	AMPB-Low	TET-High	BRB-Low
CAR	CCL4-Low	BRB-High	ANIT-Low		AFLB
5-FU-High		CCL4-High	AZA-Low		
5-FU-Low		DMN	BEN-Low		
AMPB-High		LPS-High	CAD-Low		
APAP-Low			CHCL3-Low	<u> </u>	
AZA-High			CHLOR-High	<u></u>	

BAP	1	CIS-High	
BEN-High		DEX-Low	
BUS		DIF-High	
CAD-High		EST-Low	
CHCL3-High		GAN-High	
CHEX-High		GAN-Low	
CHEX-Low	·	GEN-High	
CHLOR-Low		HYD-High	
CIS-Low		ISON-High	
CLO-High		KETO-High	
CLO-Low		NAL-High	
CLOZ-High		PBARB-Low	
CLOZ-Low		STRZ-High	
CMC		TET-Low	
CPHOS-High		THEO-High	
CPHOS-Low			
CYCA-High			
CYCA-Low			
DEX-High			
DIF-Low			
DOX			
ERY-High	·		
ERY-Low			
EST-High			
ETH			
GEN-Low			
HYD-Low			
ISON-Low			
KETO-Low			
LPS-Low			
MET			
NAL-Low			
PBARB-High			
PEG			
PHEN-High			
PHEN-Low			
PUR-High		·	
PUR-Low			
QUIN-High			
QUIN-Low			
STRZ-Low			
TAM-High			
THEO-Low		- 	
1	l		

Table 21 List of Genes, Whose Expression at 72 h Directly Correlates with Liver Inflammation at 72h, Ranked by Pearson Correlation Coefficien

Gene	Correlation Coefficient
Osteoactivin	0.780
Calpactin I heavy chain	0.719
lgE binding protein	0.686
Thymosin beta-10	0.672
Stathmin	0.666
Alpha-tubulin	0.643
Gamma-actin, cytoplasmic	0.636
14-3-3 zeta	0.630
Phase-1 RCT-179	0.630
High affinity IgE receptor gamma chain (FcERIgamma)	0.627
Uncoupling protein 2	0.626
Voltage-dependent anion channel 2 (Vdac2)	0.624
Phase-1 RCT-154	0.622
Melanoma-associated antigen ME491	0.619
Phase-1 RCT-121	0.612
Phase-1 RCT-138	0.600
Phase-1 RCT-192	0.597
Phase-1 RCT-68	0.587
Phase-1 RCT-24	0.574
Beta-tubulin, class I	0.562
Beta-actin	0.550
Beta-actin, sequence 2	0.549
60S ribosomal protein L6	0.549
Cofilin	0.549
Pyruvate kinase, muscle	0.547
Phase-1 RCT-146	0.514
Phase-1 RCT-207	0.513
Organic cation transporter 3	0.506
Phase-1 RCT-293	0.504
Phase-1 RCT-12	0.502
Phase-1 RCT-211	0.502
Annexin V	0.499
Calpain 2	0.490
Multidrug resistant protein-1	0.489
Multidrug resistant protein-2	0.486
Cathepsin S	0.484
Phase-1 RCT-144	0.484
Cyclin D1	0.479
60S ribosomal protein L6 (alternate clone 1)	0.479
Biliverdin reductase	0.477

Nucleoside diphosphate kinase beta isoform	0.477
Collagen type II	0.467
Cyclin G	0.458
Cathepsin B	0.454
Phase-1 RCT-59	0.449
Ribosomal protein S8	0.445
Proliferating cell nuclear antigen gene	0,442
Phase-1 RCT-109	0.440
Hypoxanthine-guanine	
phosphoribosyltransferase	0.438
Tissue inhibitor of metalloproteinases-1	0.435
Poly(ADP-ribose) polymerase	0.434
Ribosomal protein S9	0.433
Tissue plasminogen activator	0.419
Adenine nucleotide translocator 1	0.415
Alpha-prothymosin	0.409
Ribosomal protein S17	0.407
Heme oxygenase	0.404
p55CDC	0.403
ID-1	0.403
Zinc finger protein	0.401
Zinc finger protein	0.401

Table 22 List of Genes, Whose Expression at 72 h Inversely Correlates with Liver Inflammation at 72h, Ranked by Spearman Correlation Coefficient

Gene	Correlation
Оспе	Coefficient
Phase-1 RCT-181	-0.250
Apolipoprotein C1	-0.251
Hepatic lipase	-0.253
Tryptophan hydroxylase	-0.253
Tissue factor	-0.254
Monoamine oxidase B	-0.255
Choline kinase	-0.256
CDK108	-0.257
Phase-1 RCT-88	-0.259 .
Cholesterol esterase	-0.260
Vesicular monoamine transporter (VMAT)	-0.260
Glucokinase	-0.261
Interferon inducible protein 10	-0.264
Cytochrome P450 2D18	-0.264
Aldehyde dehydrogenase 2	-0.265
Phase-1 RCT-93	-0.265
Connexin-32	-0.267
Phase-1 RCT-178	-0.267
Phase-1 RCT-239	-0.268
Phase-1 RCT-289	-0.270
C-reactive protein	-0.271
Urinary protein 2 precursor	-0.273
Matrin F/G	-0.274
L-gulono-gamma-lactone oxidase	-0.276
Epidermal growth factor	-0.278
Tyrosine hydroxylase	-0.282
Aguaporin-3 (AQP3)	-0.283
Gap junction membrane channel protein beta 1 (Gjb1)	-0.283
Phase-1 RCT-38	-0.287
NADH-cytochrome b5 reductase	-0.287
Phase-1 RCT-256	-0.288
Phase-1 RCT-36	-0.292
Phase-1 RCT-271	-0.293
Acetylcholine receptor epsilon	-0.293
Phase-1 RCT-73	-0.293
Phase-1 RCT-184	-0.295
Contrapsin-like protease inhibitor (CPi-21)	-0.297
Phase-1 RCT-280	-0.299
Presenilin-1	-0.300
BRCA1	-0.303
Phase-1 RCT-219	-0.305

0.1.1	
Cytochrome P450 2A3	-0.306
Phase-1 RCT-161	-0.306
Alpha 1 - inhibitor III	-0.307
Cytochrome P450 3A1	-0.307
Carbonic anhydrase III	-0.308
Aryl sulfotransferase	-0.308
Acetyl-CoA carboxylase	-0.310
Insulin-like growth factor I	-0.313
Phase-1 RCT-67	-0.313
Protein tyrosine phosphatase, receptor type, D	-0.314
Phase-1 RCT-285	-0.315
Phase-1 RCT-123	-0.316
Phase-1 RCT-98	-0.317
Arginosuccinate synthetase 1	-0.319
Phase-1 RCT-83	-0.319
Cytochrome P450 2C11	-0.320
Phase-1 RCT-149	-0.320
Phase-1 RCT-227	-0.325
Phase-1 RCT-102	-0.330
Phase-1 RCT-48	-0.330
Phase-1 RCT-29	-0.331
Betaine homocysteine methyltransferase (BHMT)	-0.335
Stearyl-CoA desaturase, liver	-0.337
Phase-1 RCT-292	-0.337
Apolipoprotein CIII	-0.339
Fatty acid synthase	-0.340
Phase-1 RCT-164	-0.354
Phase-1 RCT-81	-0.354
JNK1 stress activated protein kinase	-0.355
Phase-1 RCT-260	-0.355
Equilbrative nitrobenzylthioinosine-sensitive nucleoside transporter	-0.361
Phase-1 RCT-290	-0.361
Insulin-like growth factor I, exon 6	-0.361
Phase-1 RCT-117	-0.363
N-hydroxy-2-acetylaminofluorene sulfotransferase (ST1C1)	-0.363
Glycine methyltransferase	-0.370
Phase-1 RCT-107	-0.378
Apolipoprotein All	-0.381
Dynamin-1 (D100)	-0.391
Alpha-2-microglobulin	-0.395
Phase-1 RCT-78	-0.402

Table 23 List of genes whose expression at 72 hours is predictive of liver inflammation at 72 hours

	Combinations
Gene	(No of
	Occurrences)
Osteoactivin	5
Phase-1 RCT-211	5
Calpactin I heavy chain	5
Phase-1 RCT-179	5
Gamma-actin, cytoplasmic	5
Cofilin	4
Stathmin	4
60S ribosomal protein L6	4
Voltage-dependent anion channel 2 (Vdac2)	4
Phase-1 RCT-192	4
Adenine nucleotide translocator 1	4
Thymosin beta-10	4
High affinity IgE receptor gamma chain (FcERIgamma)	4
Uncoupling protein 2	4
lgE binding protein	4
Alpha-tubulin	4
Phase-1 RCT-12	4
Ribosomal protein S9	4
Phase-1 RCT-121	4
14-3-3 zeta	4
Beta-tubulin, class I	4
Phase-1 RCT-154	4
Phase-1 RCT-107	3
Proliferating cell nuclear antigen gene	3
Phase-1 RCT-59	3
Beta-actin, sequence 2	3
Phase-1 RCT-109	3
Carbonic anhydrase III	3
Phase-1 RCT-78	3 '
Collagen type II	3
Cyclin D1	3
Phase-1 RCT-138	3
Alpha-prothymosin	3
Calpain 2	3
Cathepsin B	3
Phase-1 RCT-24	3
Melanoma-associated antigen ME491	3
Phase-1 RCT-68	3
Cyclin G	3
Tissue inhibitor of metalloproteinases-1	3

Heme oxygenase	3
Ribosomal protein S17	3
Organic cation transporter 3	3
Biliverdin reductase	3
Phase-1 RCT-293	3
Phase-1 RCT-173	3
Betaine homocysteine methyltransferase (BHMT)	2
Cytochrome P450 2D18	2
Cytochrome P450 2C11	2
Phase-1 RCT-290	2
Pyruvate kinase, muscle	2
Apolipoprotein All	2
Connexin-32	2
Glycine methyltransferase	2
Insulin-like growth factor I	2
Zinc finger protein	2
Hypoxanthine-guanine phosphoribosyltransferase	2
ID-1	2
Ribosomal protein S8	2
Nucleoside diphosphate kinase beta isoform	2
60S ribosomal protein L6 (alternate clone 1)	2
Beta-actin	2
Cathepsin S	2
Annexin V	2
Phase-1 RCT-276	2
Tyrosine aminotransferase	2
Phase-1 RCT-161	2
Multidrug resistant protein-2	2
DNA polymerase beta	2
Ubiquitin conjugating enzyme (RAD 6 homologue)	2
Ribosomal protein L13A	2
Phase-1 RCT-144	2
c-H-ras	2
Vesicular monoamine transporter (VMAT)	2
Phase-1 RCT-273	2
Phase-1 RCT-80	2
Phase-1 RCT-260	2
	2
Neuronal cell adhesion molecule (NrCAM)	2
Hepatocyte growth factor receptor	2
Caveolin-3	2
Phase-1 RCT-129	2
Phase-1 RCT-146	
Phase-1 RCT-292	1 1
L-gulono-gamma-lactone oxidase	1
Phase-1 RCT-256	11
Urinary protein 2 precursor	1
Aryl sulfotransferase	1

Phase-1 RCT-185	1
Phase-1 RCT-34	1 1
Phase-1 RCT-31	1 1
Complement factor I (CFI)	1 1
Glutathione peroxidase	1 1
Histidine-rich glycoprotein	1 1
Carbonic anhydrase III, sequence 2	1
Phase-1 RCT-92	1 1
Transitional endoplasmic reticulum ATPase	1 1
Phase-1 RCT-88	1 1
Phase-1 RCT-296	1
Glutathione S-transferase theta-1	11
Phase-1 RCT-168	1
Phase-1 RCT-182	1 1
JNK1 stress activated protein kinase	1
Phase-1 RCT-81	11
Phase-1 RCT-33	1 1
Phase-1 RCT-178	1
Apolipoprotein CIII	11
Phase-1 RCT-98	11
NADH-cytochrome b5 reductase	11
Alpha 1 - inhibitor III	11
Phase-1 RCT-233	1
Paraoxonase 1	11
Presenilin-1	1
Apolipoprotein C1	11
Cytochrome P450 2C23	1
Phase-1 RCT-227	11
Hepatic lipase	11
Phase-1 RCT-164	11
Insulin-like growth factor I, exon 6	11
N-hydroxy-2-acetylaminofluorene sulfotransferase	
(ST1C1)	11
Dynamin-1 (D100)	1
Phase-1 RCT-230	1
Phase-1 RCT-74	1
Phase-1 RCT-158	1
Deoxycytidine kinase	11
Dopamine receptor D2	11
Phase-1 RCT-51	11
Four repeat ion channel	11
Adrenomedullin	11
Phase-1 RCT-94	1
Sarcoplasmic reticulum calcium ATPase	1
Phase-1 RCT-79	1
Phase-1 RCT-252	1
Phase-1 RCT-151	1
Phase-1 RCT-70	1
<u> </u>	

Phase-1 RCT-150	11
25-hydroxyvitamin D3-1 alpha-hydroxylase	1
Phase-1 RCT-119	11
Peroxisomal 3-ketoacyl-CoA thiolase 2	11
Superoxide dismutase Mn	11
Phase-1 RCT-115	1
Alpha-1 microglobulin/bikunin precursor (Ambp)	11
Phase-1 RCT-18	11
Maspin	1
Decorin	11
Retinoid X receptor alpha	11
Cellular nucleic acid binding protein (CNBP)	1
NADPH cytochrome P450 oxidoreductase	1
Malic enzyme	1
Caspase 1	1
Cystatin C	11
p55CDC	1
Poly(ADP-ribose) polymerase	1
Tissue plasminogen activator	1
Multidrug resistant protein-1	1
Phase-1 RCT-207	1
Phase-1 RCT-181	1
Gap junction membrane channel protein beta 1 (Gjb1)	1
Aquaporin-3 (AQP3)	1
Myelin basic protein	1
Phase-1 RCT-213	.1
Phase-1 RCT-156	11
Proteasome activator 28 alpha	11
<u> </u>	

Table 24 Comparison of Predictivity for True Liver Inflammation Classification and Random Classification Using Combo Gene Sets and 72h data

					Overall Ad	ccuracy**					
Gene List*	Correct Classification					Random Classification					
Gene List	Mean		Min	-	Max	Mean	П	Min.	-	Max.	
Combo All	0.752	1	0.625	-	0.847)	0.368	\mathbb{I}	0.250	-	0.459	
Combo 5	0.672	1	0.589	-	0.722	0.363		0.295	-	0.419	Ľ
Combo 4	0.793	17	0.694	-	0.917	0.344	\mathbb{I}	0.222	-	0.458	1
Combo 3	0.793	17	0.639	-	0.905)	0.333	(0.250	-	0.392	Ţ
Combo 2	0.708	17	0.597	-	0.819)	0.349	(0.288	-	0.473	1
Combo 1	0.675	17	0.608	1-	0.708	0.377	(0.208	<u> </u>	0.466	1

Table 25 RCT genes (ESTs) Predictive for Liver Inflammation: Best Homology Matches

Gene Name	Homology
hase-1 RC1-10	Rattus norvegicus methylmalonate semialdehyde dehydrogenase gene (Mmsdh)
Phase-1 RCT-102	Mouse pentylenetetrazol-related mRNA PTZ-17 (3'UTR of E3.1)
Phase-1 RCT-103	no significant homology found
Phase-1 RCT-107	no significant homology found
Phase-1 RCT-108	no significant homology found
Phase-1 RCT-109	Rattus norvegicus nesprin-1 mRNA
Phase-1 RCT-111	Mus musculus B lymphoid kinase (Blk)
Phase-1 RCT-112	no significant homology found
Phase-1 RCT-113	no elemificant homology found
Phase-1 RCT-114	Mus musculus, glypican 4, clone MGC:11506 IMAGE:3967797, mRNA, complete cds
Phase-1 RCT-115	no significant homology found
Phase-1 RCT-117	no significant homology found
Phase-1 RCT-119	no significant homology found
Phase-1 RCT-12	no significant homology found
Phase-1 RCT-121	no significant homology found
Phase-1 RCT-123	no significant homology found
Phase-1 RCT-127	no significant homology found
Phase-1 RCT-128	Mus musculus angiopoietin-related protein 3 (Angpti3)
Phase-1 RCT-129	Mus musculus Nedd4 WW binding protein 4 (N4wbp4-pending), mRNA
Phase-1 RCT-13	Mus musculus 0 day neonate skin cDNA, RIKEN full-length enriched library, clone:4632417K18, full insert sequence
Phase-1 RCT-136	Mus musculus RIKEN cDNA 3010027G13 gene (3010027G13Rik), mRNA
Phase-1 RCT-137	Mus musculus adult male tongue cDNA
Phase-1 RCT-138	
Phase-1 RCT-140	
Phase-1 RCT-141	Mus musculus proteoglycan 3 (megakaryocyte stimulating factor, articular superficial zone protein) (Prg4)

1250-1765-146	Mus musculus 18 days embryo cDNA, RIKEN full-length enriched library, clone:1190008J14
hase-1 RCT-143	Homo sapiens NADH dehydrogenase (ubiquinone) Fe-S protein 8 (23kD)
	Mus musculus, similar to nucleolar protein (KKE/D repeat), clone IMAGE:3491448, mRNA, partial cds.
hase-1 RCT-145	Mus musculus 10 day old male pancreas cDNA, RIKEN full-length enriched library, clone:1810014B19, full insert sequence
hase-1 RCT-146	Mus musculus 8 days embryo cDNA, RIKEN full-length enriched library, clone:5730458E20
Phase-1 RCT-148	Mus musculus adult male kidney cDNA, RIKEN full-length enriched library, clone:0610010B16
Phase-1 RCT-15	Mus musculus ubiquitin conjugating enzyme 7 mRNA, complete cds
hase-1 RCT-150	Mus musculus SIR2L3 isoform B (Sir2L3) mRNA, complete cds;alternatively spliced
Phase-1 RCT-151	Mus musculus, Similar to sphingomyelin phosphodiesterase 1, acid lysosomal, clone MGC:11522 IMAGE:3964394
Phase-1 RCT-152	Mus musculus, eukaryotic translation elongation factor 1 beta 2, clone MGC:6763 IMAGE:3600850, mRNA, complete cds.
Phase-1 RCT-154	Mus musculus vacuolar ATPase subunit D (Atp6m) mRNA, complete cd
Phase-1 RCT-156	no significant homology found
Phase-1 RCT-158	Rattus norvegicus cyclin-dependent kinase inhibitor 1B
Phase-1 RCT-161	Mus musculus adult male spleen cDNA, RIKEN full-length enriched library, clone:0910001D19
Phase-1 RCT-164	Mus musculus adult male testis cDNA, RIKEN full-length emiched library, clone:4932443D16
Phase-1 RCT-166	
Phase-1 RCT-168	M.musculus mRNA for low density lipoprotein receptor, ACCESSION X64414 S51850
Phase-1 RCT-169	Mus musculus, small inducible cytokine B subfamily (Cys-X-Cys), member 9, clone MGC:6179 IMAGE:3257716, mRNA, complete
Phase-1 RCT-173	Mus musculus NADP+-specific isocitrate denyulogenase in to the complete cds; nuclear gene for mitochondrial product
Phase-1 RCT-174	Homo sapiens normal mucosa of esophagus specific 1 (NMES1) mRN/complete cds; nuclear gene for mitochondrial product
Phase-1 RCT-175	
Phase-1 RCT-178	Mus musculus, thioether S-methyltransferase, clone MGC:19191 IMAGE:4236077, mRNA, complete cds

Phase-1 RCT-179	Rat nucleolar protein B23.2 mRNA
Phase-1 RCT-18	no significant homology found
Phase-1 RCT-180	Mus musculus B-cell receptor-associated protein 37 (Bcap37
Phase-1 RCT-181	Mus musculus adult male testis cDNA
Phase-1 RCT-182	Rattus norvegicus glb mRNA for diacetyl/L-xylulose reductase
Phase-1 RCT-184	no significant homology found
Phase-1 RCT-185	no significant homology found
Phase-1 RCT-189	Rattus norvegicus eukaryotic translation initiation factor 4E (Eif4e), mRNA
Phase-1 RCT-191	Mus musculus, Similar to proteasome (prosome, macropain) 26S subunit, non-ATPase, 3, clone MGC:6405 IMAGE:3586427, mRNA, complete cds
Phase-1 RCT-192	Mus musculus 18 days embryo cDNA, RIKEN full-length enriched library, clone:1110033J19
Phase-1 RCT-195	Mus musculus, Similar to protein kinase C substrate 80K-H, clone MGC:13908 IMAGE:4008182, mRNA, complete cds
Phase-1 RCT-196	Homolous to Mus musculus 12 days embryo head cDNA, RIKEN full-length enriched library, clone:3010001M15
Phase-1 RCT-197	Rattus norvegicus Protein kinase, interferon-inducible double stranded RNA dependent (Prkr), mRNA
Phase-1 RCT-202	Mus musculus, Similar to hypothetical protein AB030201, clone
Phase-1 RCT-204	Mouse DNA sequence from clone RP23-138F20 on chromosome 13, complete sequence [Mus musculus]
Phase-1 RCT-205	no significant homology found
Phase-1 RCT-207	Mus musculus Ran binding protein 5 mRNA, partial cds
Phase-1 RCT-209	Mus musculus adult male testis cDNA, RIKEN full-length enriched library, clone:4930583H14, full insert sequence
Phase-1 RCT-211	Mus musculus adult male kidney cDNA, RIKEN full-length enriched library, clone:0610009C22
Phase-1 RCT-212	
Phase-1 RCT-213	Homo sapiens pM5 protein (PM5), mRNA
Phase-1 RCT-214	Mus musculus putative NAD(P)H steroid dehydrogenase mkiva
Phase-1 RCT-215	Mus musculus RAB/Rip protein mRNA
Phase-1 RCT-218	
Phase-1 RCT-219	
Phase-1 RCT-22	Mus musculus, clone MGC:19042 IMAGE:4188988, mRNA

ì	no significant homology found
hase-1 RCT-225	Rattus norvegicus chromosome 4 clone RP31-327J16 strain Brown
11856-1 1701-220	Norway, complete sequence
hase-1 RCT-227	no significant homology found
hase-1 RCT-230	Mus musculus GDP-dissociation inhibitor mRNA, preferentially expressed in hematopoietic cells, complete cds
hase-1 RCT-233	no significant homology found
Phase-1 RCT-235	Rattus villosissimus RT1.Ba gene, RT1.Ba-R154 allele, intron b, complete sequence
Phase-1 RCT-239	Mus musculus adult male tongue cDNA, RIKEN full-length enriched library, clone:2300007B01, full insert sequence
Phase-1 RCT-24	Mus musculus, tubulin alpha 8, clone MGC:28850 IMAGE:4507364, mRNA,
Phase-1 RCT-240	Mus musculus, clone MGC:7041
Phase-1 RCT-241	Mus musculus oncostatin receptor (Osmr), mRNA
Phase-1 RCT-242	Rattus norvegicus B-cell translocation gene 2, anti-proliferative(Btg2),
Phase-1 RCT-25	Mouse DNA sequence from clone RP23-278F12 on chromosome 11, complete sequence
Phase-1 RCT-251	no significant homology found
Phase-1 RCT-252	Mus musculus EH-domain containing 3 (Ehd3),
Phase-1 RCT-256	Mus musculus, Similar to betaine-homocysteine methyltransferase 2, clone MGC:19186 IMAGE:4235455
Phase-1 RCT-258	Mus musculus, clone MGC:6139 IMAGE:3487295, mRNA
Phase-1 RCT-259	Mus musculus adult female placenta cDNA, RIKEN full-length enriched library, clone:1600023I01:interferon-stimulated protein (20 kDa), full insert sequence
Phase-1 RCT-260	Mus musculus adult male hippocampus cDNA, RIKEN tull-length
Phase-1 RCT-261	
Phase-1 RCT-264	Mus musculus sodium-sulfate cotransporter (Nas1) gene
Phase-1 RCT-27	Mus musculus adult male kidney cDNA
Phase-1 RCT-270	Mus musculus, RIKEN cDNA 2010011120 gene, clone MGC:27703,
Phase-1 RCT-271	Homlogous to Mus musculus, clone MGC:27581 IMAGE:4489072, mRNA
Phase-1 RCT-273	no significant homology found
Phase-1 RCT-276	Homo sapiens KIAA1224 protein
Phase-1 RCT-278	
Phase-1 RCT-28	no elgnificant homology found
Phase-1 RCT-280	Mus musculus carbohydrate (keratan sulfate Gal-6) sulfotransferase 1

Phase-1 RCT-281	Mus musculus, Similar to TNF-induced protein, clone MGC:11714
Phase-1 RCT-282	Mus musculus, SEC61, alpha subunit 2 (S. cerevisiae), clone MGC:6359 IMAGE:3494001, mRNA, complete cds
Phase-1 RCT-287	Mus musculus adult male kidney cDNA clone:0610010I20
Phase-1 RCT-288	no significant homology found
Phase-1 RCT-289	Mus musculus adult male liver cDNA, RIKEN full-length enriched library, clone:1300003K24, full insert sequence
Phase-1 RCT-29	no significant homology found
Phase-1 RCT-290	Homo sapiens chromosome 14 clone BAC 201F1 map 14q24.3, complete sequence
Phase-1 RCT-291	no significant homology found
Phase-1 RCT-292	Rattus norvegicus 2'5' oligoadenylate synthetase-2
Phase-1 RCT-293	Mus musculus 18 days embryo cDNA, RIKEN full-length enriched library, clone:1110021C22
Phase-1 RCT-294	Mus musculus adult male cerebellum cDNA, RIKEN full-length enriched library, clone:1500035D08:vesicle-associated membrane protein 1, full insert sequence
Phase-1 RCT-296	Mus musculus corticosteroid binding globulin (Cbg)
Phase-1 RCT-297	Mus musculus squalene epoxidase (Sqle), H
Phase-1 RCT-3	no significant homology found
Phase-1 RCT-30	Homo sapiens putative protein-tyrosine kinase (LOC51086),
Phase-1 RCT-31	Mouse 10, 11 days embryo cDNA, RIKEN full-length enriched library, clone:2810437P06
Phase-1 RCT-32	no significant homology found
Phase-1 RCT-33	no significant homology found
Phase-1 RCT-34	no significant homology found
Phase-1 RCT-36	no significant homology found
Phase-1 RCT-37	no significant homology found
Phase-1 RCT-38	Mus musculus betaine-homocysteine methyltransferase 2 (Bhmt2) mRNA,
Phase-1 RCT-40	Rattus norvegicus Cathepsin C (dipeptidyl peptidase I) (Ctsc)
Phase-1 RCT-42	Mus musculus STAT5B (Stat5b)
Phase-1 RCT-43	no significant homology found
Phase-1 RCT-45	Mus musculus Nedd4-binding brain specific protein BEAN mRNA, partial cds
Phase-1 RCT-48	Mus musculus adult male liver cDNA, RIKEN full-length enriched library, clone:1300003K24, full insert sequence
Phase-1 RCT-49	No match with score above 200
Phase-1 RCT-50	Mus musculus fibroblast growth factor regulated protein 2
Phase-1 RCT-51	Rattus norvegicus unknown Glu-Pro dipeptide repeat protein
Phase-1 RCT-52	Rattus norvegicus D5d mRNA for delta-5 fatty acid desaturase
Phase-1 RCT-53	no significant homology found
Phase-1 RCT-54	Mus musculus 10 days embryo cDNA, RIKEN full-length enriched library, clone:2610007A05, full insert sequence
Phase-1 RCT-55	M.musculus myoglobin gene exons 2-3
Phase-1 RCT-56	M.musculus myoglobin gene exons 2-3
Phase-1 RCT-59	no significant homology found
Phase-1 RCT-60	Mouse, Similar to tyrosyl-tRNA synthetase, clone MGC:19350
F11036-1 101-00	Imotori Chimai to divoli and tolicate

Phase-1 RCT-62	no significant homology found
Phase-1 RCT-63	no significant homology found
Phase-1 RCT-64	no significant homology found
Phase-1 RCT-65	no significant homology found
Phase-1 RCT-66	M.musculus mRNA for low density lipoprotein receptor
Phase-1 RCT-67	no significant homology found
Phase-1 RCT-68	Rattus norvegicus nucleosome assembly protein mRNA
Phase-1 RCT-70	Mus musculus adult male testis cDNA, RIKEN full-length enriched library, clone:4933406P04, full insert sequence
Phase-1 RCT-71	Mus musculus, clone MGC:11987 IMAGE:3601737, mRNA
Phase-1 RCT-72	no significant homology found
Phase-1 RCT-73	no significant homology found
Phase-1 RCT-74	no significant homology found
Phase-1 RCT-75	Mus musculus adult male liver cDNA, RIKEN full-length enriched library, clone:1300002K09, full insert sequence
Phase-1 RCT-76	no significant homology found
Phase-1 RCT-77	Mus musculus, Similar to hypothetical protein AB030201, clone MGC:18837 IMAGE:4211629, mRNA, complete cds
Phase-1 RCT-78	Mus musculus adult male lung cDNA, RIKEN full-length enriched library, clone:1200015G06, full insert sequence
Phase-1 RCT-79	no significant homology found
Phase-1 RCT-8	Messenger RNA for rat preproalbumin
Phase-1 RCT-80	no significant homology found
Phase-1 RCT-81	no significant homology found
Phase-1 RCT-82	Mus musculus nucleosome binding protein 1 (Nsbp1),
Phase-1 RCT-83	no significant homology found
Phase-1 RCT-88	no significant homology found
Phase-1 RCT-89	no significant homology found
Phase-1 RCT-9	Mus musculus adult male liver cDNA, RIKEN full-length enriched library, clone:1300003M23, full insert sequence
Phase-1 RCT-90	no significant homology found
Phase-1 RCT-91	no significant homology found
Phase-1 RCT-92	no significant homology found
Phase-1 RCT-94	Rattus norvegicus Glutamate receptor, metabotropic 5 (Grm5)
Phase-1 RCT-95	no significant homology found
Phase-1 RCT-96	Mus musculus, ADP-ribosylation factor 3, clone MGC:6687 IMAGE:3582243, mRNA, complete cds,

Table 27 Liver Inflammation Predictive Genes Whose Protein Products Are Known to be Secreted Adrenomedullin Alpha 1 - inhibitor III Alpha-1 acid glycoprotein Alpha-1 microglobulin/bikunin precursor (Ambp) Alpha-2-macroglobulin, sequence 2 Alpha-2-microglobulin Alpha-fetoprotein Apolipoprotein All Apolipoprotein C1 Apolipoprotein CIII Apolipoprotein E Ceruloplasmin Ciliary neurotrophic factor Colony-stimulating factor-1 Complement component C3 Complement factor I (CFI) Histidine-rich glycoprotein Insulin-like growth factor binding protein 1 Insulin-like growth factor binding protein 5 Insulin-like growth factor I Insulin-like growth factor I, exon 6 Inter-alpha-inhibitor H4 heavy chain (Itih4) Interferon related developmental regulator IFRD1 (PC4) Interleukin-10 Macrophage inflammatory protein-1 alpha Macrophage inflammatory protein-2 alpha Matrix metalloproteinase-1 NGF-inducible anti-proliferative putative secreted protein (PC3) Osteopontin Paraoxonase 1 Preproalbumin, sequence 2 Selenoprotein P Stem cell factor Tissue factor pathway inhibitor Tissue inhibitor of metalloproteinases-1 Tissue plasminogen activator Transthyretin Urinary protein 2 precursor Vascular endothelial growth factor

What is claimed is:

1. A method of predicting the liver toxicity in an individual to an agent comprising:

obtaining a biological sample from the individual treated with the agent; measuring the expression of one or more liver toxicity predictive genes in the sample, wherein the genes are selected from the group consisting of partial gene sequences of genes identified as responsive to agents causing liver inflammation, thereby generating a test expression profile; and

using the test expression profile with a set of reference expression profiles in a Predictive Model to determine whether the agent will induce liver toxicity in the individual.

- 2. The method according to claim 1, wherein the liver toxicity predictive genes are selected from the group of partial gene sequences listed in Table26 that represent 24 hour combo All genes.
- 3. The method according to claim 2, wherein the partial gene sequences correspond to rat genes.
- 4. The method according to claim 2, wherein the partial gene sequences correspond to dog genes.
- 5. The method according to claim 2, wherein the partial gene sequences correspond to non-human primate genes.
- 6. The method according to claim 2, wherein the partial gene sequences correspond to human genes.
- 7. The method according to claim 1, wherein the liver toxicity predictive genes are selected from the group of partial gene sequences listed in Table26 that represent 24 hour combo 3 genes.

8. The method according to claim 7, wherein the partial gene sequences correspond to rat genes.

- 9. The method according to claim 7, wherein the partial gene sequences correspond to dog genes.
- 10. The method according to claim 7, wherein the partial gene sequences correspond to non-human primate genes.
- 11. The method according to claim 7, wherein the partial gene sequences correspond to human genes.
- 12. The method according to claim 1, wherein the liver toxicity predictive genes are selected from the group of partial gene sequences listed in Table 26 that represent 24 hour Combo 5 genes.
- 13. The method according to claim 12, wherein the partial gene sequences correspond to rat genes.
- 14. The method according to claim 12, wherein the partial gene sequences correspond to dog genes.
- 15. The method according to claim 12, wherein the partial gene sequences correspond to non-human primate genes.
- 16. The method according to claim 12, wherein the partial gene sequences correspond to human genes.
- 17. A method of predicting the liver toxicity of an agent using an in vitro system, comprising the steps of:

obtaining a biological sample from in-vitro cultured cells or explants treated with the agent;

measuring the expression of one or more liver toxicity predictive genes in the sample, wherein the genes are selected from the group consisting of partial

gene sequences of genes identified as responsive to agents causing liver inflammation, thereby generating a test expression profile; and

using the test expression profile with a set of reference expression profiles in a Predictive Model to determine whether the agent will induce liver toxicity in the individual.

- 18. The method according to claim 17, wherein the liver toxicity predictive genes are selected from the group of partial gene sequences listed in Table 26 that represent 24 hour combo All genes.
- 19. The method according to claim 18, wherein the partial gene sequences correspond to rat genes.
- 20. The method according to claim 18, wherein the partial gene sequences correspond to dog genes.
- 21. The method according to claim 18, wherein the partial gene sequences correspond to non-human primate genes.
- 22. The method according to claim 18, wherein the partial gene sequences correspond to human genes.
- 23. The method according to claim 17, wherein the liver toxicity predictive genes are selected from the group comprising of 24 hour Combo 2 genes.
- 24. The method according to claim 23, wherein the partial gene sequences correspond to rat genes.
- 25. The method according to claim 23, wherein the partial gene sequences correspond to dog genes.
- 26. The method according to claim 23, wherein the partial gene sequences correspond to non-human primate genes.

27. The method according to claim 23, wherein the partial gene sequences correspond to human genes.

- 28. The method according to claim 17, wherein the liver toxicity predictive genes are selected from the group of partial gene sequences listed in Table 26 that represent 24 hour Combo 5 genes.
- 29. The method according to claim 28, wherein the partial gene sequences correspond to rat genes.
- 30. The method according to claim 28, wherein the partial gene sequences correspond to dog genes.
- 31. The method according to claim 28, wherein the partial gene sequences correspond to non-human primate genes.
- 32. The method according to claim 28, wherein the partial gene sequences correspond to human genes.
- 33. A process for predicting the liver toxicity in a biological sample from an individual, in-vitro cell cultures or explants to an agent via a programmable machine, the process comprising the steps of:

obtaining a biological sample treated with the agent;

measuring the expression of one or more liver toxicity predictive genes in the sample, wherein the genes are selected from the group consisting of partial gene sequences of genes identified as responsive to agents causing liver inflammation, thereby generating a test expression profile; and

using the test expression profile with a set of reference expression profiles in a Predictive Model to determine whether the agent will induce liver toxicity in the individual.

34. A computer program product for enabling a computer to perform Predictive Model analysis for liver toxicity on a biological sample from an individual, in-vitro

cell cultures or explants to an agent, the computer program product comprising:

software instructions for enabling the computer to perform predetermined operations, and a computer readable medium embodying the software instructions;

the pre-determined operations comprising:

measuring an expression of one or more liver toxicity predictive genes in a sample, wherein the genes are selected from the group consisting of partial gene sequences of genes identified as responsive to agents causing liver inflammation, thereby generating a test expression profile; and

using the test expression profile with a set of reference expression profiles in a Predictive Model to determine whether the agent will induce liver toxicity in the individual.

35. A Computer system adopted to predict liver toxicity in a biological sample from an individual, in-vitro cell cultures, or explants to an agent, comprising a processor and a memory including software instructions adapted to enable the computer system to perform operations comprising:

measuring the expression of one or more liver toxicity predictive genes in the sample, wherein the genes are selected from the group consisting of partial gene sequences of genes identified as responsive to agents causing liver inflammation, thereby generating a test expression profile; and

using the test expression profile with a set of reference expression profiles in a Predictive Model to determine whether the agent will induce liver toxicity in the individual.

36. A computer program product for predicting liver toxicity from a test sample expression profile, comprising:

an encrypted training data set;

encrypted lists of genes selected from genes predictive of liver toxicity to be used with the encrypted training data set, and

a Predictive Model that uses the encrypted training data sets, the encrypted lists of genes, and the test sample expression profile to predict the liver toxicity of the test sample.

- 37. The computer program product of claim 36, wherein the encrypted lists of genes are selected from any Combination Category appearing in Tables 5, 18 and 23.
- 38. The computer program product of claim 36, wherein the encrypted lists of genes comprise a 24 hour Combo All genes as set in Table 5.
- 39. The computer program product of claim 36, wherein the encrypted lists of genes comprise a 6 hour Combo All genes as set in Table 18.
- 40. The computer program product of claim 36, wherein the encrypted lists of genes comprise a 72 hour Combo All genes as set in Table 23.
- 41. A method for mining genes predictive for liver toxicity, comprising the steps of:

collecting expression levels of a plurality of candidate toxicity predictive genes among a multiplicity of samples;

defining a group of samples to be a training set;
defining another group of samples to be a test set;
optionally generating additional training and test sets; and
selecting a set of genes which are predictive of liver toxicity based on
evaluating the training and test sets in a Predictive Model.

- 42. The method according to claim 41, wherein the expression levels are stored as a database on an electronic medium.
- 43. An integrated system for predicting liver toxicity, comprising:

 means for measuring gene expression profiles of genes predictive of liver toxicity from biological samples exposed to a test agent; and

a computer system operably linked to the means wherein the computer system is capable of implementing a Predictive Model.

44. A method of identifying one or more liver inflammation predictive genes, the method comprising:

providing a set of candidate toxicity predictive genes;

evaluating said genes for their predictive performance with at least one training and test set of data in a Predictive Model to identify genes which are predictive of liver inflammation; and

testing the performance of predictive genes for their ability to predict liver inflammation for: (i) different test sets of data, (ii) comparison of prediction for accurate versus random classification, and (iii) prediction using test data external to the data used to derive the predictive genes.

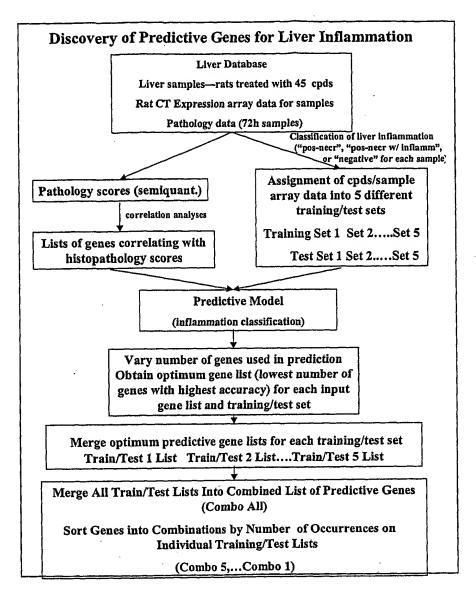


Figure 1

Evaluation of Predictive Genes for Liver Inflammation

Evaluated Gene Lists
Combo All and Combo Sets
Individ. genes in best Combo sets
Randomly selected subsets
Cumulative genes in Combo sets
Subsets of "non-predictive" genes

5 different training/test sets (same as for identification)

Training Set 1 Set 2....Set 5

Test Set 1 Set 2.....Set 5

Accurate and random classifications

Predictive Model (KNN)

Predictive Performance

(means and ranges for 5 different training/test sets)

Prediction Units-Sample, Cpd-Dose, Cpd

Accuracy—proportion of correct classifications

False positive—proportion of incorrect classifications for samples negative for inflammation

False negative-- proportion of incorrect classifications for samples positive for inflammation

Geometric Mean-measure of predictive performance that considers proportion of pos. and neg. samples for inflammation

Comparison of accuracy for accurate and random classification

Figure 2

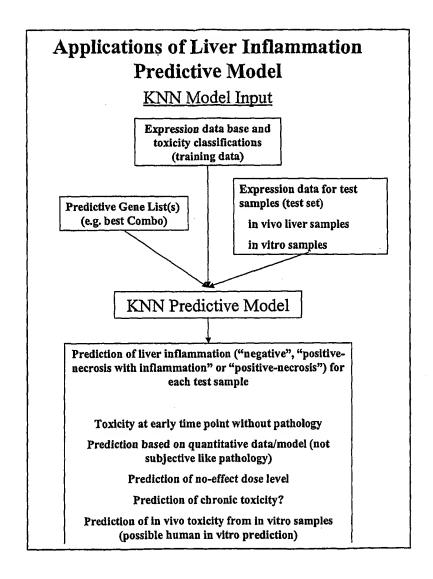


Figure 3

Table 26. Genes Predictive for Liver Inflammation, Sequences, and Accession	lammation, Sequences, and Accession	
	Accession Number	Senence
14-3-3 zeta	D17616	TGENIGANTIOSECCCTCTAGATGCATGCATGCAGCGCCGCAGTGTGATGCATATCTGCAGAATTCGCCCTTCGCGGGATCCAAAAAGCAGGCGGGTT TGENICAGAAAGAAGAAATGAGAAGCGAGCTGAGCGAATTTGCAACGATGCTGCTTTGCAAAAGTTCTGCAAAAGTTCTTGATCCTCG CAGCCAGAAAGAATTATTGAAATGAAGAATGACCACGCTACTTCAGCTAACTGACCAACCA
25-hydroxylamin D3-1 alpha- hydroxylase	AB001992	GCGAATTGGGCCCTCTAGATGCATGCTCGAGCGCCCCAGTGTGATGGATTCTGCAGAATTCGCCCTAACTAA
3-beta-hydroxysteroid dehydrogenase AA923963 (HSD381)	AA923963	NGCCAAGCTAAAATTAAGCCTCACTAAAGGGAATAAGCTNGCGACCCGCAANGNTATTNTTTNTTNTTTNNNTTTANNTTTANNTTTAAGATTACAATATTTTTTTTTT
eg g	J04629	CCINININCTATGACATGATTACGAATTTACTACGACTCACTATAGGGAATTTGGCCCTCGAGGCCAAGAATTCGGCCAGGAGGACGACCATACAACC CTGTACCTGGGGATTGGATT
3-nethyladenine DNA głycosylase	X66420	ANTIGECCCTCTRGATGCATGCAGGGGCGCGGTGTGATGGATATCTGCAGAATTGGCCCTTGACAGGTCCTTGTCAGGCGCGACTTGCTGATG GAACAAACTCAGGGGCATGTTCATGAGGGGCGAGGGTGTTGGGGGCCGGAAACTGAGGGGTGCCCGGT GAACAACTCAGGCATGTTCATGAAACATTGTACGAACTGAACGTGTACCTCATTGGGGCAATTGTGCATTGAATGTTCATGATGTCCAGTCAAGGGGCTGGGGCTT GATGCTTGCTAAAAGCATAAAGCATTAGGAGCCTTAAAACTGTAATTGGGGCAGCTTCGAAACTCCCTCC
	X67107	ANCOGOCCTOTAGATGCATGCATGGAGGGGCGGCGGTGTGATGGATATOTGCAAAATTCGGCGTCGGGGGATCCGGTGAAGGTGAAAATTGC CTAGCAGTATTACCCTACTGAAGACGTGCTGCAGGCTGCTGAGCCACGCACAAGCCCTTACAGCAGGTGAGTGA
605 rhosomal protein LB (alterrate clone 1)	X67 107	CTATGACATGATTACGAATTTATIAGGGAATTGGGCGAATTTGGCCCTCGAGGCCAAGAATTCGGCACGGAGGAGGTGAGGAAGTAAGCCCCCAAGAATGACTCTGCT TTGGACGCGGAAACCCTGTCCTGGTGGGAATCGGCAGGTTTCGCAATTGGTTTCCAGAAAGGCCTTGTACAAAAGGAAATGCTCTGCT GTCGACGCAGAAAGGTTGAGAAGAAGAAAGAAAAAGAATAGAACTTGGTTGCAAAACAGTTGGTGGGGACAAGAAGACCTTCAGCACCCCGGTGCGGTGCCACCCAGAAAAGAATTGCCTAGGAAGAAGAAAAAGAATTGCTGAAAAAAACAGTTGGTGGGAAAAAACAGTTGGTGGCATCCAGGAAGAAGAAGAAAAACAGTTCGTGAAAAAAACAATTGCTGAAAAAAAA

Rounding DNO elementons	417000000	
	OSS STATE	MAGINACIOTOTAMATICANIOCTOGANGGEOCOCCASTIGNATOGANANTOTOCAGANTITOGOCCTITIGCAGGAGGTTOGAGTEGOCTOTATGAAGA MAGINACIOTOTAMATAMAGEOCCTICACACCTGCAGTGGGGTGGAGGGGGGTGAGAGATTOGAGGGGGGGGGG
Acetyl-CoA carboxylase	AA925393	ATCATTICTICALTEACACISAGIGAAGGCTGCTTTGTGAACAAGTGGACAGATAATATGGCAATCTCAGTTCAAGCACGTCTGGGGTCAACATCATTTCAAGCACGTCTGGGGTCAACATCATTTCAAGCACATCATTCAAGGAAGCCCCTTCAACTTCAACTCTCATTCAAGCAGACTCCCATTCAACTCTCATTCAACTCTCAATCTCAACTCCTC
factor 3	M69282	AGCTATGNICGATEATTACGCCAAGCTATTTAGGTGCCACTATAGGATACTCAAGTATGCATCAAGTTGGTACCGAGGTCGGGATCCAAGTGTAACGGCC GAGGTGTGTGGAATTTGCACCTTTGCAGCTGCAACTGCCTAGGGAAGATTGAAGTGAAGATTGATCATTGAAGTTTGCAATTGCCAGGGT ATGCTTTGTAAAACTATTGTTGTTGTTGTCAACTGCAACTGCAATAGGCCATTCCTTTGTGAGCCTGGTGTGGAATATTGAATTTTTTTT
	348150	TGNGGANTTGGGCCTETAGATGCTGGAGGGCCCCAGTGTGATGCATATCTGCAGAATTCGCCCTTCGCGGGTCCACACGGAATGG AATGCTGTTGAAACGATGAAGAAGATCTGGCATCTAGACAGAGATGCCAGAGTTTCGCCGCGGATCCACACGATGCAAAG ACTAACCAATTACTACACAGACACTGTGACAGTGGTCACAATGGTGACAATGTTGACTTTCGTCCCAAAGAATTACTAGTTATTTGTTGA CCATCTGTCCACACTGCACACTGCACACTGCACTG
c	AA925220	Tragatiticcagaaacittiaciticacagagaaaatagacatataaacititiacicittiscaatacaagaaaatataatgaaatitiga Aagastigagacagaaatgeticiciticacagtigagagacaatocagcaattoctcagteticagagatoctgaateticagaatagatoctgagagagagagagagagagagagagagagagagagaga
tide translocator 1	D12770	GCGGATTGGGCCCTCTAGATGCATGCATGCATGCATGCAT
Adrenomedulih	U15419	TIGGGANTTIGGGOCTICTAGATIGGTIGGTIGGGGGGGGGGGGGGGGTIGGANTTIGGGGANTTIGGGCCTTACAGACAAAGACAAAGAGGGGCTTGGGGGGGGG

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was	23.4	7111	707	2

Acotrol dehydrogenase 1	M15327	Tragetgracactatragaatraticaagetategatgraagettegaagegaagetgraagegagetgragegegegegegegegegegaatrucegettigegegege I geggatggagegegegegegegegegegegegegegegeg
		GGAGGAGCAMATATIGCGGGAACATACAAAAAAATTGGAAGGTGGAATGGTGGCGAAGGTGAACTGACTG
Aldehyde dehydrogenase, microsomal AA958846	AA956846	GCCAATGANTCGTTCTTGATACNTCATACAATACANTTCAGACAGCTTCAACGGGTGGAACAGGTTANTCAGCAAACATGGTTGTACACACAGTG ACATTCTCATTGAGTGCGCAGTCTTAATTTGGATCCTGGGAAGGCAATGAGACTGTGCAGCTTGCAGCCTTAAGACACTGCGAGCCTGCCT
		ACAGETICANI GIVA AGAINETICE AGAINTETTA AGAINTETTA AGAINTETT THE CONTROL AGAINTA AGAINT
Apha 1 - Inhibitor III	J03552	GAAATNGGCOCTCTAGATGCATGCTCGAGGGCCCAGTGTGATGGATATCTGCAGAATTCGCCGCTTATCGCGGATCCACCGTCAGTGTGTCAC GGCAAGAATGTGTTTAGATCACACCATGCTGAGATCACACTGCACATGCAGCACCGCCTCCTATTGCTTTAGAGGTGCAGCAGTACCCCT GACTTGAACACCCCCAAAGGCTCCAGAACTTCACAATTCAATATAGAGGACGGGCCGGTCCAACGCTCCAACAGTGATGCTGAT GTGAAGATGCTTGTGGCTTTAATCCAATTGAACCAACAGTGAAGAAGGTTGAAGAAGATTAGAGGACGTAAGCAGAACAGAACGTGACCACCAACAGCTCATCATCACCACCAACAGTGAACATTCAACACTTCATCATCACCACCAACAGTGAACATTCAACAACATTCAACAACATTAGACATTCAACAACATTCAACAACATTGAACAATTGAACAATTCAACAAGAACAATTCAACAAGAACAATTCAACAAGAACAATTCAACAAGAACAATTCAACAAGAACAATTCAACAAGAACAATTCAACAAGAACAATTCAACAAGAACAATTCAACAAGAACAATTCAACAAGAACAATTCAACAAGAATCAACAAACA
		AAGIGTATGACTATGAGAGAGATGAAGTGGGTTTTGGTGAATACAGCAGGCGTTGGAGGTGAGGACGACAGAAGGGAGGAGGAGGAGGAGGGGGGGG
Apha-1 acid glycoprotein	AI029162	ATGCNGGCCTAAGGATCCTTCTTGGTCCTTCTTAGTCTCCTTCTTCCAGGTCTGNTINTGATGCTCACTGCACTTATCCTTTGTTCAGGTCA ACAAATACGATTCTGATTCATCCATGCCCACACTTTTAGCAGGTCTCCAGGTCTTCAGGAAAGAGTTTAGCATAAGAAAAAAAA
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Alpha-1 microglobulin blaunin precursor (Ambp)	AI043784	AGCNINCINCENCECETTGEAGGECATGINTTCCTTCTINTCCTGGGAAGGTGGTTTACTCATGCCCTGAGCTTCCNITCCNITCCATACCTTATTGTGA CAATGAGATGCTAACACACAGAATGCTAGGAAATGATGAAGCTTGTTTATTGGGTCCAAATGCTCACAGTGAACAGTGAACAGTGAACAGTGAACAGTGAACAGTGAACAGTGAACAGTGAACAGTGAACAGTGAACAGTGAACAGTGAACAGTGAACAGTGAACAGTGAACAGTGAACAGTGAACAGTGAACAGTGAACAGTAAAATGCAACAGAACAGTGAACAGTGAAAATGCAACAGAAATACAAAAATGCAATACAAAAATACAAAAAAAA
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Apha-2-macroglobulin, sequence 2	NM_012488	TATIOLOGICANTACIONOTAGOGIANTICOGNATICACIANTAGOGIANTITGGOCOTOGIAGOGIAGOGIAGOGIAGAGOGIAGAGOGIATOCOGIATOCOGIATOCOGIAGOGIAGOGIAGOGIAGOGIAGOGIAGOGIAGOGI
		CACCE ICCACAL I CITICATURA I CATULO I CATULO INCOME I CATULO I CAT
Apha-2-microglobulm	AB039825	TTCTGACATGATTACGAATTTAATACGACTCACTATAGGGAATTTGGCCCTTCGAGGCCCAGGAATTCGGCACGAGGATCAGCAGAATTCTCCCGA CAGAGAGCAATTCTATCCCTCACACATGAGGCCTATTCGTGCTGCTTGGTCTGGCCTGGCCAGGCCTGTGTGGCCATGAGAAAAAGAAGCTAGT TTCAACAGAACAATTCGAATGTTGAACAAGCTCAATGGGAATTGGTTTTGTATTGTCGTTGGCCTTGATAAAAGAAAAAAAA
		GCNTGAGAGITTTTGTGCAGCACATCGATGTTTGGAGAATTCCTTAGGCTTCACGTTCCGTATTAAGGAAATGGAGTGTGCACAGAATTTCTTTG GTTGCCGACAAACAGGGGAATGGCGAATATTTGTTGAGTAGGGGAAAAATAATTATTATTATTA
		GCCTCCAGANTGCCTCTGTGCAGAAGTCAATCCAAGAAGT

	X02361	GAAACGEGOCTICTAGATGCATGCTCGAGCGGCCGCAGTGTGATGGATATCTGCAGAATTCGCCCTTTCAGCAGAGCTGATAGACCTGACAGGGAA GATGGTGAGCATTCCCTCAACGTGCTCAGCTCA
Apha-prothymosin	AA875070	TACTGGAATGTCAGAATAAGATTGTTTTTGGTGGTGTTTTTTTT
Apha-tubulin	JD0798	GGGANTIGGGCCCTTAGATGCATGCTGGAGCGGCCGCTGTGATGGATATCTGCAGAATTCGCCCTTGCGCGGATCCTGATGTGGTCCCCAAA GATGTCAATCATGCCATTGCACACCATCAGACCAAGCCAGCACTCAGGTTTGTGAATTCGCGACTTCAACGTTGAAGGTTGCCATTAATTA
	M21730	GTGAATTGGCCCTCTAGATGCATGCTCGAGCGCCAGTGTGATGGATATCTGCAGAATTCGCCCTTATCGCGGGGATCCGGGGGGACTCAGAATACGAAAACAATATGGCCCTCTTAGATGAGGAAACAAAAAAAA
	M28615	GCGAATTGGGCCCTCTAGATGCTGGAGCGGCCGCAGTGTGATGGATATCTGCAGAATTCGCCCCTGCGCGGATCTAGCTGGAAGAGCTTGATGAGGAGGAGCTTGGTCGAGAGCTTGATGGAGAAGCTTGATGGAGAAGCTTTGATGGAGAAGCGTTCGAGAGAACTGAGCAGAATTCGAGAAGAATTCGAGAAGAATTCGAGAAAGCATTTGATGGAAAGCCCTTGAGAGAACTGCAGAAGCAATTGATGAAGCCCTTGAGAATTCGAGAATTCGAAATTCGAAATTCGAGAATTCGAGAATTCGAGAATTCGAGAATTCGAGAATTCTGAATTCTTAAGCCGTTTAATGAGCCCTGAAAAACCGCTGCTGCTGCAGAAAACCGCAGCTGCTGCAGAAAACCGCAGAAAACCGCAGAAAACCGCAGAAAACTGCAGAAATTGCTTGAGCCAATTCAGCACTGGCGCCCTTACTTGATGATGATGATGAGAATTCATGAGCCGTTACTGATTAGTTAG
	AA955662	NCCCNATTCAGETIGEGECANNITTIGGGANNGENCATICGGTGEGECCTTNITTGGCTATNACNICDAGGTGSGSAAAGGGGANTGTGGGGANTACCCTGCAAGGGANTTTAGGGANTGGGGANTGGGGANTGGGGANTGGGGANTGGGGANTGGGGANTGGGGANTGGGGANTGGGGANTGGGGANTGGGGANTGGGGANTGGGGANTGGGGANTGGGGANTGGGGGGGG
Apolipoprotein CIII	702596	GCAAACCGCTTCTCCCGGGGGGTTGGCCGATTCATTAATGCAGTGGCACGACAGGTTTCCCGACTGAAAAGCGGGCAGTGAGCGAATTAAAACGCAGTGAGCGCAATTAAAACGCGGGGGGGG

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Apoptosis-regulating basic protein	AF304429	TCTATGACATGATTACGAATTTAATACGACTCACTATAGGGAATTTGGCCCTCGAGGGCCAAGAATTCGGCACGAGGGCTTCACCGCCAACAGCACGG CCATGGCTGCACCTCGTTGCTGCTAATGACGGGAACTATGTCCGAAGGACTTCCGGGGACTATCTCATGAGTTACGCTTCGGGGGCCTTGTTGGGGATTGCCTTTTTGGGGAATTGCCTTATTGCTTTTGCAAACTGGCATTTGCCTACAAGGTAACCTGTTAAGGAATTGCCTACAAGGTAACCTACAGGAAATGACTTTGGGGAACTGGTTTTGCTTTTGCAAGGTATTGCCTACAAGGTAAGGTGCAAGGTAGCTGAAGGAATGAGTATTGCTTAAAGGGGAACTGTTATGAATTAGCTTAAAGGGGCCATTTGAATAGCGGCAATTGCAAAGGGGCCATTGTAAAGGGGACAAGTTATTGAATAGCAGCCATTGTTGCAAAGGGGACAAGTTATTGAATAGCAGCAATTGCAAAGGGGAAATGATTATGAATAGCAAAGGGGAAAAGGGAAAGGTGTTGCAAAGGGGAACAATTATTGAATAGCAAAGAAAG
Aquaporin-3 (AQP3)	Af045087	CAACTETTGGAAAGGGGGATCGGGGANGGNCTNITTCGTTATTACGCCAACTGGCCAAAGGGGGGATGTGTGCAAGGCGAATTAAGTTGGGTAACGCCAGGCCAGGTCAAGGGGGAATTAAGTTGGGTAACGCCAGGCCAGGTTACCAGGCCAGGTTTTTTTT
985	D13978	CTCTATGACATGATTAGGAATTTAATACGACTTAATAGGGAATTTTGGCCCTCGAGGCCTAGAGATTTGGGCACGAGGCTGGTCCACTAACTCCAGGG ACTGTGGGAACGAAGGAAGAAAGAAAGAAAGAAGAAGAAGAAGAA
Ary sufrbransferase	X52883	GNGHTGTGNCTTGRAAGGGCCGTGTAGATGCTGGAGCGGCGGGGTGTGAGGATTGCGCCTTGGCAGATTCGCCCTTGGCAGGGCTTGGCGCTTGGCGCTTGGCGCTTGGCGCTTGGCGCTTGGCGCTTGGCGCTTGGCGCTTGGCGCTTGGCGCTTGGCGCTTGGCGTTGGCGTTGGCGTTGGCGTTGGCGTTGGCGTTGGCGTTGGCGTTGGCTTGGCGCTTGGCGTTGGTTGGCGTTGGCTTGGCGCTTGGCGTTGGCTTGGCGCTTGGCGCTTGGCGCTTGGCGCTTGGCGCTTGGCGCTTGGCGCTTGGCGCTTGGCGTTTGGTGTTTGAGAGGGTGGCTTTGGCGTTGGCGCTTGGCGCTTGGCGTTGGCGTTGGCGCTTGGCGTTGGCGTTGGCGTTGGCGTTGGCGTTGGCGTTGGCGTTGGCGTTGGCGTTGGCGTTGGCGTTGGCGGTGGGCGTGGGCGTGGGCGTGGGCGTGGGCGTGGGGGG
	M18407	NTATGCATCAAGTTGGGTCGGAGTCGNATCCCACTAGAACGCCCGGCAGTGGCTGGAATTCGCCCTTCGCGGGNATCCCACCCCGGTAAGACCTCT CATATAGAGGCTGTAAGAAGAAGAATAACTAGTTGTCATTAACAGTTGTCGGAGTGTCCTCGTGGTGTGGAGTGTGAGAGCCAACTTACACAAGACGAACTTACAACAAGACGAACTTACAACAACAACAACAACTTCTACACAACAACAACA
ATP-stimulated glucocortlooid- receptor translocation promoter (Gyk)	NM_024381	TATEACATGATTACGAATTTAATACGACTCACTATAGGGAATTTGGCCCCGAGGGCCAAGAATTCGGCACGAGGGACCTTTGGGGACTGACCCCTGGC TCCACTCTCATCATGATTACTATTCCATTAAGGTCTAGGATTGATT

	AF017758	GGAAAGTGGGGGGGGGGGGGGCTCATCCTACTGAGTGGTTCCCATGGGTTTTTGCTGTTCAAAGGGAAAGCCGCACCTACCCCACACTACC CCTGAAGCAATACCAGGAGCCATCTGACCCTCAGCGCTTCTGCTTCTAAATACAGTCTGACCTAAAGGATACTTGCCCTGGGGCTTGTATCTGTGTGTG
Bex (sipha)	U49729	CTCAAGTTATGCATCAAGTITGGTACCCAGTTGGATCCACTAGTAACGGCCCGCAGTGTGCTGAATTCGCGGGAATTCGGGGGCCTTTTGTTA CAGGGTTCATCAGGGGGGCCATCGCGAGGATCGCGGGGGCGCTTTTGTTA CAGGGTTCATCAGGGGATCGAGCATCGCGAGGAGGGTGGCATCGAGGTGGAGGTGGATTCGCGAGGAGGT CTTCTCCGTGTGCGAGCTGACTTGGCGATGAACGGCAACGTTGAATGGCGAGGGTGGTTTTCTACTTTGGTAAGAACTGCCCCGAGGGGGGGG
Beta-actin	V01217	TTGNIGANTIGGGCCCTCTAGATGCTCGAGCGGCCGCCAGTGTGATGGATATCTGCAGAATTCGCCCTTGCGGGATCCCCGGGGACCTGACGGGGGACCTGACGGGGGACCTGACGGGGGACCTGACGAGAATTCAGCCCTCAACAAAAAAAA
Bela-actin, sequence 2	V01217	Tracatrantacsantistantacsactinctratacsgaatitteccocticsacctacaatitocsinacsaccaccativaaaacticsancsgisaa Geoceaccocatitestroctocsaccaacatisticoccocticsacaacatitisticatitististististististististististististi
Beta-efacino synthase	M97662	TATGAGATGATTAGGAATTTAATAGGAGTGAGTATAGGGGATTTGGGCCCTGGAGGCCAAGAATTGGGCAGGAGTGATGATGTTGAAGCGTTGA CACCATTGGAGGAACTGATGAGTGAGTGAGGAGGAGAAGAAGGAGGCGATGGGGTAATGAGTGCTTGACCGTGTGG GTCAGGAACAGTACCCCAATGAGTTAGTTGTGGAGGATGGAAGAAGAAGGAGCGATGGGGGTAATTGATGTGTGACCGTGTGG GTCAGGAACCCGGACCCCGGCGTTACTTGTGGACGGGGGTGGTGGAGCTTGAGCTTGAGCTTGACCTATGCAATTGAATTATGATTTGTG GAGTTTCAAGATGACGGGCCCGAGTTGAGATGAGGGGGGTTGCCGAAGCTGTCAACCTAACCTATGCAATTGTGAAGGAAG
Betaine hamocysteine methydransferase (BHMT)	NM_030850	TICTATGACATGATTAGGAGTTTAATACGAGTTCACTATAGGGGAATTTGGGCCTTGAGGGAAGAATTTCGGGAGGGTTTGAAATAGCTTCCGGGAGAG GGTACAATCCTTCCAAGCCGAGCGGATTGATTGGGGGAGTTGACGAAAGGGGGACACAGAGCAGCAAGGAAGCAACGAAGCACCAC
Bela-tubulin, class I	AB011670	citotateacateattaceantitatroceacticactataegeaattoecottosaegeocaaeantitoegeacaegaattatacagtaagegetage coateaegeaaticotecacoeacatitoageoceacagitiegenacicaetegetaraetictiegeageteataageageaateacageactae coateaecocatacoegeacacageacageageatitiegeagetegeacoeaatitiegenaticagetaagetacagetegeagetageactaetageatitiegeagetegeagetageagetageagetageatitiegeagetegeagetageagetageagetageagetageageageageageageageageageageageageagea

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	M6 108 1	ANCIGNAGITATGATGATGAAGGTTGGAACCTGGAATCCACTAGTACCGCCCNGCCAGTGTGCTGGAATTCGCCCTTCGCGTTTGGATTGGTGTGTGT
C4b-birding protein	NM_012518	CCTCTAGATGCATGCTGGAGGGGGCGCCGGTGTGATGGATATCTGCGCTTTAGCGCGTTGATGATGTGATATGATGATATTATTGGCTTGAAGTGTTATATTGGTTTAGATGGTTATTATTGGTTTAGATGGTTAGATGGTTATATGGTTAGATGGTTAGATGGTTAGATGGTTAGATGGTTAGATGGTTAGATGGTGG
	NM_053567	ATCAATGITTICCATCAGTACTCTAGGAAGTATGCTGACATCCTGAACAAGGCGGGAATTCAAAGAATGGTGATAAGGGACTTGCCAAATTTT CTGAAGAGGGGAAAAAGAAATTCAAAAATCTCCTAAGAGACATCATGGGGGGCACCACGGGACAATCACTGTCCTTTGAGGAGCGTATGA TGCTGATGGGAAAGTTGATTTGCCTGTCATGAGAAGCTGCATGAGAACCACGTGGGCATGACCACGGACACGCCACGGCAAGGCTTGGGAAGT AATTAAGAGGTTAGACCATGTGCCCAACCAACCAACCAAGGGAATAGCTTACTAAATGACCTTGGATCTGGGGGGGG
l heavy chain	WM_019905	ACATGATTACGAGTTTATACGACTCACTATAGGGGAATTTGGCCCTCGAGGATTTCGGCAGGGGGTAGGGAGGG
	NA_017116	TÄTGAKATGATTAGAATTTÄATAGGAGTGAGTÄTÄGGGAATTTGGGCCTGGAGGCCAAGAATTCGGAATGGAGATTGGATAAGCGTGAGGGTGAGGAGGATTGGATAAGGTGAGGAGGATGGAGAGGAG
synthetase i	M12335	CTCAACGCCAACANTOTICCTECCACCCAGTGGCTTGCCANTCTCAGGAAGGACAGAATCCCAGCCTCTCTTCCATCAGAAGTTGATAGGAGGGGGAATTGCGGAATTGCGAATTGCGAATTGCGAATTGCGAATTGCGAATTGCGAATTGCGAATTGCGAATTGCGAATTGCGAATTGCTGAGCCGAGTTACCAGGAATTGCTGGTCACCAAGGAACTTTTTGCTGAGGAAGTTGCTGAAGGAACTTGCTACAGGAATTGCTGTACCAAGGAATTTCCAGGAATTGCTACAGGAATTGCTACAGGAATTGCTACAGGAATTGCTACAGGAAATTGCTACAAGGGAATTGCTACTACAGGAAATTGCTACTACAAAGGCAATTGTTCAGTACTATTTTTGGTTTCCCTGTTTCAGTACTATTTTAAACAATTGATTG
Carbonic anhydrase II	ХБСЭ4	NINGEGECETTAGATGEATGEATGEGEGEGEGEGETGATGEATATECAGAATTGECEATTCAGEGETTTCAGGEGETGAGEACACGGTGAACAAAAAAAAAA

Carbonic anhydrase III	M22413	TIGGGANTTIGGGCCCTCTAGATGCATGGTGGGCGCCGCGGTGTGATGGATATCTGCAGAATTCGCGGGATCCAGGTTCCAGGTCCAGGTCCAGGTCCTGAGA GGTGGCCCCTCTCTGCACCTGTCCCCAATTCCACCTGGGGCTGGGATGGAT
Carbonic artrydrass III, sequence 2	AB030829	ctaaoccagaagcaigaatticacaocaaoctiitaataadaoctiitdaaaaaaaattagtaiticagtaataatusagigaagaaatagatgagagaaataaagaatattaagut doogaalucisgosadootgiiinagootgaqtaaqbaagggoostgdatgatgagagagagagagaagaacaacaattigatgaaagacaagtdaagatacdgaaggta atootaatgittaoctaaataatacaogotadotaataattigodadaocaadoogodgitttaaattaoogataaacaacaocalaaggooggictittaaaattittgataattaattaaataaaaaaaaaa
	X84349	TROGAATTGGCCCTCTACATGCAGGCGCCCCCAGGTGATGATGGATATCTGCAGAATTCGCCCCTCCCCCCCC
Carritine palmitoy4-CoA transferase	L07738	ANTTGGAATTGGGCCCTCTACATGCATGCTCGAGCGCCCCCCAGTGGATTGCGAATTGGCGTTGGGGAATTGGCGTTGGGGGATCCCTGGAACTGCAGTGCAGTGCAGTGGAGAGCAGTGGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGA
Caseh-aipta	J00710	TTATCACATGATTAGGAATTGAATACGACTGACTATAGGGCCTCGAGGGCCAAGAATTCGGGAGGCCAGGAGTGTCTGTC
Caspase 1	U14647	TIGGGANTIGGCCCTCTAGATGCATGCAGCGGCCCCCAGTGTGTGTGAGATATCTGCAGANTIGGCCCTTAGATGTGCAGATTGCCCCTCTAGATGTGCAGATTGCTGCAGTTGTGCAGATTGCTGCAGTTGTGCAGATTGTGGGGATATTGTGCAGATTGTGCAGATTGTGCAGATTATGAGTGCAGATTATTGAAGTTGCAGATTATTGAAGTTGCAGATTATTGAAGTTGCAGATTATTATGAAGTTGCAGATTATTATGAAGTTGCAGATTGTTGAAGTTGCAGGATTGTTGAAGTTGCAGGGATTGTTTTTGAAGTTGAAGTTGAAGTTGAAGAAGCCCGAGGCCCAAGCTGAAGAACAAGCATTTTTGAAGAATTATTGAAGAAGTTGTGTGTTGAAGAACACCAGATGTTGTGAAGAAGAACAATTTTTGAAGAAGAAGATTTTTGAAGAAGAAGCCCAATTATAAGAAAGA
Caspase 3	U84410	TTGGCGAATTGGGCCCTGTAGATGCATGCTCGAGCGCCCCCAGTGTGATGGAATTCTGCAGAATTGGCGAAATTGGCGAAATTGGGCGAAATTGGGCGAAATTGGGCGAAATTGGGAATTGGAATTGGAATTTGGTGTTGGGGAAATTGGAATTGGAATTGGAATTGGAATTGGAATTGGAATTGGAATTGGAATTGGAATTGGAAAAAA

		THE STATE OF
Caspase 8	AF025670	TIGGGAATIGGGCCTCTAANTGCAIGCAIGCAGACCAACAAGAIGCAAATICAAAATICAAAATICAACAATICACCAGACTTGCAGAATICAACAATICACCAGACTGCAGAATICAACAATICAAAATICAAAATICAAAATICAAACCAGAGGCAACCAACTTAACGCATTACGCATTACGAAATICAAAATICAAACCTGGCTTGCTGGCAACGCATTACACAATICAAAACCAGAACCAAGATATTCATCCAGAACCAAGATATTCATCAGAACCAAGATATCACAAAACCAAGAATATACTCTCACAAAACCAAGATTCAACGCTTGCATCACAAAACCAGAAAACCAAAAACCAAAAACCAAAAACCAAAAAA
Cathepsin B	Х82398	NINGOGATICCAATTICAAGGGGAACGACTATTAGCCATGATTAGGGGAAGTAATTAGGTGACGAATTAGGGGAATTAGCAAGGGAATTAGACTATTCAAGGGAACCAGGAATTAGAAGGGAACGAAATTAGAAGGAATTAGAAGGAATTAGAAGGATTAGAAGGATTAGAAGGATTAGAAGGATTAGAAGGATTAGAAGGATTAGAAGGATTAGAAGGATTAGAAGGATTAGAAGGATTAGAAGGATTAGAATTAGAAGGATTAGAATGATATAGATAGAATGAATTAGAAGGAATTAGAAGA
Cathepsin L, sequence 2	885164	GACCICGACCATGGGGTTCTGGTGGTTGGTTGGTTGGTTGGTTGG
Cathepsin S	103201	GAATGGGCCCTTGAATGCATCCTCCAAGGGCCCGCCAGTGTGATGCAALTTGAAATTCATCTTGTTTGCTTGTTACCAAAGTGGTGTTATG AAATGGGCCCTTGTAGAAGGCGGCCGCCCTGTGTGGGAAATTTGTGTGCCCAATCCTCCTTTTTCTTACCAAAGTGGTGTTATTAG AAACCCTTCAAAAAGAAGAATCATGGTGTTTCTGTTGGTGGTGGCCTTGGCCTTCTTCGTTGCTTTACCAAAAAAAA
Caveolin-3	NM_019165	TATGACATGATTAATACGAATTAATACGAATCATAAGGAAATTTGAGGAGGCTGAAGAATTAGACAACAAATTAATACGAATACATAGATGAATAACGAATTAATACGAATTAATACGAATTAATACGAATTAATACGAATAATACGAATAATACGAATAACAGAATTAATACGAAGAATTGAATACAACAACAAGAATTGAATAACAATAACAATAACAATAACAATAACAATAACAATAACAATAAAAAA
CDK102	Y17321	TATBACATEATTAGAATTAGAACTCAATTAGAGATTAGGAATTTAGGAAANTI USUSAANAANTI USUSAATTAGAATTATAGAATTAGAATTAGAATTAGAATTAGAATTAGAATTAGAATTAGAAGA
Cellular ructele acid binding protein (CNBP)	D45254	GCTATCCATGATTAGGCCAAGGTATTAGGGGACCAGTGAGGTTAGTTGCAGGTGTAAAAGGGGGGGG
Ceruloplasmin	133869	GANAGCETTCGTATAANCCNTGCTCGANTGGECGGTGNELGEN GSAFL INNAGASAAN IN TAGACCATTCATTCATTCATTCATTCATTCATTCATTCTCC GTCACNGATTTTCATTCATTCATTCATTCATTCATTCATTCATTCA

Cholesteral 7-eipha-hydroxylase (P450 VII)	60550f	GAAATTGNGCCCCTGTAGATGCATGCATGGCGCCGCGAGTGTGTGTGCAGAATTGCCCCTTCATAGCTGGGGCCAGAGCTTCATGACTTCATGAATTGNGCCCCTTCATAGCTTGGGGGCCAGAGCTTCATGACTTCACAAAGGCAATGCCCTTCATAGCTTTATTATGAAAATGTTTTTATGAAAATGTTTTTATGAAATGTTGT
o H.as	M13011	CCTCTRAMICCATCCAGCGGCCGCCAGTGTGATGATTCTGCAGAATTCGCCCTTATCCAGCTGATCCAGAACCATTTTGTGGAAGAGTATGA TCCAACTATAGACGACTCCAACGGGCCGCCAAAACAGGTATTTTGCCATTATCCAACATCTTAGACAACAGCAGAAGAATGATTAGT TCCAACTATAGACGACATCATGCCCAACAGGTAGTTAGTT
Ciliary neurotrophic factor	X17457	ANTIGOSCOCTOTAGATGCATGCTCGAGCGSCCGCAGTGTGATGCGATTCGCAGAATTCGCCCTTACTCGGGTGATGGTGACGAGGCAGGC
o-Jun	XI7163	GCGAATTGGGCCACTCTAGATGCATGCTGGAGGGGCCAGTGTGATGGATG
опус	X01023	NTNCNIVANGANGOCCTNTANATGCTGCTCGAGGGGGCGCCAGTGTGATGGATATCTGCAGAATTCGCCCTTCGCGGGATCCTGGAGGAAGGGCAAACCCTCCAGAGGCAAACCCTTGCCCGGGATCCTGGAGGGCAAACCCTCAGAGGGCAAACCCTCAGAGGGCTCGAGGGTCCTGAGGGGTCCTCAGGGGTCCTCAGGGGTCCTCAGGGGTCCTTACCAGCACATTTCCAGCACACCCCCCTCCAAGGAGAGGACTCTCGGCAGGAGGAGGAGGAGAACCAACC
Cofilin	NM_007687	TATGACATGATTACGAATTTAATACGACTCACTATAGGGAATTTGGCCCTCGAGGCCAAGAATTCGGCGCGGAGGCGGATCGCGGCAGGAGGCTGCGGGAGCACGAGGTGCGGGAGAGCTGCGGGAGAATTACGAATTTACGCTTCTGATGGAAGATGATTCAAAGGTGTTCAAAGGTGTTTCGCTTTTGCCTTCTAAAGGTGTTTCAAAGGTGTTTCAAAGGTGTTTGCCTTCAAAGGTGTTTGCCTTCAAAAAAATGGAAGAAGAAGAAGAAGAAGAAGAACGCCTCTCAAAAAAATTGGCAAGTTTGCCTTCAAAGGAGAAGAAGAAGAAAAAAAA
Collagen type II	L/8440	TICCGANTTGSCCCTCTAGATGCATGCTGAGCGGCCGCGGTGTGATGGATATCTGCAGANTTCGCCGGGGTGTGCGGGGGCAGCAGGGAGCGGAGC

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Colomy-stimulating factor-1	M84361	TAGATICCTICARCAGGIC CONTRACTOR IN INTERCEDENCIAL CONTROLL
Complement component C3	X52477	MTTGGCCCTTAGATICCTCGAGCGCCCCCAGTGTGATGGATATTTGCGAGAAGGACGATGAGATGCGGAGAAGGCCTAGAATGCCCACAGAGGCCCCCAGTGGATGCCCCCAGTGGAGCGATGCCCCCCAGAGGACGAGGCCCCCAGAGGACGAGGCCCCCACAGGCCCCCC
Complement factor I (CFI)	Y18965	TCTCINICATIONATITIAN INCORACTION IN ASSISTANCE CONTROLL TO A CONTROLL CONTR
Cornexin-32	X04070	TIGGGAAT TIGGCCCTC CARTICCACTCCTCACTCACTCACTCACTCACTCACTCCCCCCCTTGGGAGTGGGGAGCCACTTCTGCACCAGGGCCACTCTGCACGGGCCACTCTGCACGGGCCACTCTGCACGGGCCACTCACT
Öydin D1	D14014	GCCCICTAGAIGCATISC INVASCESCUE CONTROLLES AND CONTR
Oydin D3	D16309	GCGAATTGGCCCTTCGCAGGGTCAATTGCATTTGCATTTGCATTTGCAATTGCCGATAGACGCCTATGAGGGCCAACCTAGATGGCCTG GCCAAAGGGGTTGTTGCCCCTCGCAGGGTCAATTGCATTGCATTGCATTGCATTGCATTGCTTGC
Oydin G	X70871	GNN I TCUNIGGGGAN COTANCIDADAN I TOCCUNIANT CONTIGORATION

Cyclin-dependent Idnase 4 inhibitor P27kio1 (alternate clone)	D86924	GGGCCGCACACGGNTTTNGCGTANNCNNCCANTTCGGANAAAAAAAGANAGGCGGTNTCCACACCCNCCCGGGAGGAAGAGTGTCAAACGTGAGAGTGT NTAACGGGAGCCCGAGCCTGGAGCGGATGGACGCCAGACAAACCGAGCACCCCAAAGCTTCCGCCCGGAAACTTNTTCGGCCCGGTAATTAT
		GAAGAACTAACCGGGGGATTGGAGAACACTGCCGAGATATGGAAGAAGCGAGGCGAGGCGAGTGGAGATTGGACTTTGGACTTTGGACTTTGGACTTTGGACTTTGGACTTTGGACTTTGGACTTTGGAGGGGGCGGAGGGGGGGG
Cystatin C	X16957	TATGACATGATTACGAATTTAATACGACTCACTATACGAATTTGGCCCTCGAGGCCCGAGAATTTGCCACCAGACCCGCGCTG
		CGCTCGTTGATGCTACTECTGGCCGTCCTGGCGTTGGCGTTGGCGTTGGCGTTGGTTGGGTTGGTTGTT
		AGGGTGCTCCAGCTCTGGAGGGCATCTNCGGGGTGTTCCCACCAGAGAGAGAGAAAACTGCTGCAGGCAG
Cytochrome P450 11A1	J05156	GACCTGGGCTCAACTATGCCCAGAAAAGGCGACACTGTATGCAGG
Cytochrome P450 1A2	K03241	AGGTGGACCTGACACCCAGGTATGGGCTGACCATGAAGCC
Cytochrome P450 2C11	U33173	ACTOTICTARGETOTICATOTICTICTICTICATOTICTICTICTICATOTICTICATOR
Oytochrome P450 2023	X5546	TATBACATGATTAGBATTTAATACGAGTCACTAATGGGGAA I GGGGGGGGGGGGGGGGTGATTGCATGGAGGAGGTGGTGGTGGGGGGGG
Oylochrome P450 2C39 (alternate clone 2)	AA818043	TITITITITITITITITITITITITITATAGOTCABAGOTTITITITITATAGOTCABAGOTTAGOTTAGOTCABAGOTGABAGOTTAGOTCABAGOTTAGOTCABAGOTTAGOTCABAGO
Cylochrome P450 2D18	U48220	TCTICTATTGACATGATTACGAATTTAATACGAATTTGGCCOTTGGAGGGCCAAGAATTGGGCCAAGAATTGGTGCCAAGAATTGGTGCCTGTGTGTG
Cytochrome P450 2E1	M20131	TTGACCCTAAGGATATCGACCTCAGTCCTGTCACAGTTGGCAGT
Decarin	959659	ANNICHTCHTGACANTGATTACCAATTTATTACACACTCACTATAGGGAAT ITGGCCCTCGAGGGCCAAGAGGCCAAGAGGCCAAGAGGCCAAGAGGCCAAGAGGCCAAGAGGCCAAGAGGCCAAGAGGCCAAGAGGCCAAGAGGCCAAGAGGCCAAGAGGCCAAGAGGCCAAGAGGCCAAGAGGCCAAGAGGCCAAGAGGCCAAGAGGCCAAGAGGCCCAAGAGGCCAAGAGGCCAAGAGGCCAAGAGGCCAAGAGGCCTGAAGAGGCCTGAAGGCCTGAAGGCTGCAGGCTGCAGGCTGCAGGCTGCAGGCTGCAAGAGGCCTGAAGGCCTGAAGGCCTGAGCTGAGCTGAGCTGAGCTGAGCTGAGCTGAGCTGAGCTGAGCTGAGCTGCAGGTTGGCCAAGAGAAGAGAATTGGCCAAGAGAATTGGCCAAGAGAGTTGTTCACCTGCAGTTGCGCAAGAGAATTGACCAAGAGAATTGACCAAGAGAGTTTTTAAGAAACAGTTTTTAAAGAAACAGAATTGACCAAAAAAAA
Deoxycytidine kinase		TIGGATTGGGCCCTCTAGATGCATGGTGGAGGGCCCCAGTGTGATGGATG

Nacyfglycerol kinase zela	D78588	GAAATTGGGCCCTCTAGATGCTGGAGCGGCCGCCAGTGTGATGGATATCTGCAGAATTCGCCCTTAAGGGGACCATGGATCAACGAGGGACA CTACCAGAGCGATCAATTGCCCATCTCACTGCCAATTCGTTGAATGGCTATGGCGGGACCTTTACAGGGAACGAGGAACGAGCCCGTTGCAATTCAGGGGCCCCGTTGCAATTCAGGGGCTTCAGAGTTTAGGGCTGTTAAGAGGCTCTGAGCAACTGCACCTGTGCCTGTGTTTAGGAACAGGAACAGGGCTCGCTGCAATTAGGAATTTAGGGCTGGCT
Disuffide isomerase related protein (ERp72)	M85670	INDIVIDUAL CANTICATOCCATAGOTTO INCOMENTAL CONTROLL CONTROLL CONTROLL CONTROLL CANTICATOCCATAGOTTO INCOMENTAL CANTICATOR
DNA binding protein inhibitor ID2	D10863	TCAGCACTTGGCGGGCCGTTT NACATTTGCACACATGGCGGTGCCGATGATTACGCCAAGCTATTTAGGTGACACTATAGGATACTCAAGCTTGCATCAGGTTTGGTACCGGGGG NACATTTTGCAACACACACATGGCCCATGATTACGCCTTCACGGGGATCCATGAAAGCCTTCAGTCAG
DNA polymerase beta	M13961	ACIDICACIONE CONTRA CON
DNA topolsomerase I	AF140782	AATTGGCCCTCTAGATGCTCGAGCGCCCCAGTGTGATGGATATCTGCAGAATTCGCCCCTTATCGCGGGAATCCGCAGCAGCAGTTAAAGA AGTCAGCCCTCTAGAATGCTACCAGCAACATTCTATCTAT
Dopamine receptor D2	X5:2278	TTACTCAAAGCTATGCATCAAGCTTGGTACCGAGCTCGGATCCACTAGTAACGGCCCCCGTGTGCTGGAATTCGCCCTTACCAGAAAGAGGGGCCACTTAACAGAAGAGGGCCACTTAACAGAAGAGGCCACTTAAGAGATGGCAAGAGCTCCCTTAAGAGATGAGGAGCCAAGAGAAGACTCCCAGGATGAGCAGAGAGAG
Dynamin-1 (D100)	X64531	TATGACATGATTACGAATTTAATACGACTCACTAATAGGGAATTTGGCCCTCCAAGAATTCGCCAAGAATTCGCCAAGAAGGGAAGGGAAGGGATGATGTGTGTG

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Elongation factor-1 alpha	X61043	CACTATAGAATACTCAAGCTATGCATCAAGCTTGGNCCGAGCTCCGAGCTCCAATGCAGLAGAAGCGTTGGAAGTGTGGCGGGGGGAGCAAATTGGTGGGGGGAGCAAAAT GAGTGAAGCTCTGCCTGGGGACAATGTAGGCTTCAACGTAAAGAACGTGTCTGTC
		GACCCACCATGGAAGCAGCTGGCTTCACTGGTGATTATCCTGAACCATCCAGGCGAGTGATGGTGGTGGCCCCTGGTGTGAGTGA
1	NA 042948	I FINAMENTACIONA IN 1889 TEL MANDE CONTROL I TRATACIONE CONTRA TRAGO CONTROL C
Linearin	0+6210 MM	TRICTIGNITICING CONTRIBUTION OF A CONTRIBUTION O
Endogenous retroviral sequence, 5 and 3' LTR	900960	TTATGACATGATTACGAATTTAATTACGACTTAACTTAA
Endothelin-1	M64711	AATNGGGCCCTCTAGATGCATGCTCGAGCGCCGCCAGTGTGATGGATATCTGCAGAATTCGCCCTTCGAGGAATUCGAGAATUCGAGAATUCGAGAGATGCTGCTCCTGCTCCTCCCCCAGAGAGAGAGAG
		TIGATGACAAGGAGTGTGTCTACTTGTGCCACCTGGACATTATCTGGGTCAACACTCCCGAGCGGTGGTGCGGTAGGACAGGAAAGACCTTATAGAAGACAGGAAAGACCTTGTGCTGGAAGACTGCTGGAAGACAGGAAGAAGACAGAAGAAGAAGAAGAAGAAGAA
Epoxide hydrolase	X65083	I I AN I AGACTI I GENCHALAGE II I LOCATE INTERNACIONE DE LA CALAGE ANA CAGGA ACAGGA ACAGGA ACAGGA ACAGGA TRACACCA TITA CACAGGA ACAGGA TITA TITA CACAGA TITA TITA CACAGA TITA TITA TITA TITA TITA CACATA TITA TI
Escaliberation of responsibility of the contractions	AE015304	TTATGACATGATTACGAATTTAATACGACTCACTATAGGGAATTTGGCCCTCGAGGCCAAGAATTCGGCAAGAGCCTGTGTCCCTAGGAA
Equition of the control of the contr		TCAGCACCTCCAAAGGTATCCAGGCCTAGAGGTITTATCCGAGTCCCCCAAGTGCGCCATGAGAGGAGAG
Fas artigen	D26112	GGNCCAGETTGSTACCAGGGTCGGATCCACTAGTAGGGCGCCAGATGGCAGTCATTATAGGTCCTTTGGCTGGTGATCCTCCCGGTTTTGG AGACTCCTGGACCTTGCACCAGCACCAGCACCACATGCCAATGCCAGATCAGTCATTATAGGTCCTTTGGCTGGTGATCCTCCCCGGTTTTGG AGACTCCTATTTGTTCATATATAAAGGTACCGGAAAGGAACCTGGTAAAAATCTGTGGAATCCCAAGTCCTGGCAAAGTTCCGGAAAGGTCCCGAAAAGTTCCAGATCTTGAATAAATTGAAAAGTTCCGGAAAAGTCCCCGAAAAAATCTGACGAAAAATCCAGGGAAAAGTCCAGAATCCAGAAAAATCCAGGGAAAAATCCAGGGAAAAATCCAGAATCCAGAAAAATCCAGGGAAAAATCCAGAATCCAGAAATCCAGAAAATCCAGAAATCCAGAAATCCAGAAATCCAGAAATCCAGAAATCAGAAATCCAGAAATCAAAATCAGAAAAAAAA

Fertin H-chain Fetuin beta (Fetub)	→ 875550 WIN	GEATTGGCCHCTAGAGGATGCTCGAGCGGCCGCGAGTTGATGGATATTGCAGATTTGGCCCTTTTGGCCAGGCTTGGATGGA
Focal adhesion kinase (pp125FAK)	AF020177	cotra a canacoctitico tracta con contra and
Four repeat lon channel	AF078779	GAGTITATAAAAAGAATTAAAAGIGITGGAGTCAACATAGCTTAAAAGITTAGACTTGAGACTTGTGGACTTCATGGCTTATCCTTGCTGTTTCCATGGCTTATCCTTGCTGTTCCATGGCTTATCAGATTGAATCAGCATTGATTG
Gadd153	U36994	GGGNITCCACTAGTANCGGCCAGGCGGTGTGCTGGGATTCGCCCTTATCGCGGATCCNTGAGGTCTTGGCCTTTGGCCTTTGACACGGTGTCCAGCTG GANGCTGGAAGCNTGGTATTGACCTTGCAGGAGGTCCTTGTCCAGATGAAATTGGGGGCCACTATATTCTCATTCCCAGGGAAGGAA
Gadd45	1,32501	TINGGAATTGGGCCCTTTAGATGCATGCATGCAGCCGCCCAGTGTGATGATATTCTGCAGAATTCGCCTTCGCGTTTGGAGGAATTTGGAGGAATTTTGAGGGATTTGGAGGA
Gamma-actin, cytoplasmic	X52815	CTTIATGACATGATTACGAATTACGACTCACTATAGGGAATTTGGCCCTCGAGGCCAAGAATTCGGCACGAGGATTTGCCCTGGCAAATTGACCACGAGGAATTGCCCTGGCAAATTGACCTTGACACGAGGAATTGCCCTGGCAAATTGACCTTTGAAACTGAGAAATTGACCTTGATCTGAACTGATCAGCACTGGAACTGGTTGTTCCGAGGCTGCTGAAACTGTTGCCGATGATTACTAGAAATTGCCTTGATTCCCGAGGGCTGCCAAGGCACTTCTTTTCTTGCCAGGCTGCAAACTGTTTGCATTACCAAAGTCCCGAGGCACTTTCCAGGAATTTCCCTTTTTCTTGCCAGGCTGCAAACTGTTGCATTGCATTGCATTGCATTGCATTGCATTGCATTGCATTGCATTGCATTGCATTGCATTGCATTGCATTGCATTGCATTGAATTGCATTTGCATTTGCATTGCATTGCATTGCATTAGAAATTGAGCTTTTCAAATTTTCAATTTGCAGGAATTAGAAATTGAAATTGAAATTGAAATTTGCATTTGCATTGATTG

Gap įmodion membrane channel protein beta 1 (Gjb1)	NM_017251	Traticacatioanta coadita factor catalia de describados cardes de c
Glucokinase	J04218	TTGGGANTTGGGCCCTCTAGATGCATGCTCGAGGGCCGCCGGTGTGATGGATATCTGCAGAATTCGCCCTTTCAGGATTTCTTGCTTCCCAGGGTG GGGTTGGCCTCCCAAGGGTTCTTGCCAAGGGCTTGCCAAGGGTTG GGGTTGGCCTCCCAAGGGATGCTTCTTGCAAGGGCTTGCTT
Glucose transporter 2	J03145	NATTCCGCCAAGTATTTAGGGCNCTATAGAATACTCAAGCTATGCATCAAGCTGGGTTCCGAGCTGGGATCCACTAGTACGCCCCGCCAGTGTGCTGGA ATTCGCCCTTGCCAAATTGAAATTGGAATTCTGGGGTTCTGAAGACTGGTGAAGATGAGATGCTGCTAAAATCCAGGAAGAGGGAAGCCAGGGGGGGG
Glucose-regulated protein 78	M14050	GAATNGSCCCTCTAGATGCATGCTGGAGCGGCGGCGAGTGTGATGGATATCTGCAGAATTCSCCCTTNGCGGGANCCCTGACTGGAATCCCTCCTG GTNCCCGTGGGGTCCCCANATTGCANNCACCTTAGAATCATGAATTCNTNGAGTGGCANTAGAAAATAGAGAAAACAANNN ACNNANTTCACCATGACGAATGACCAGTGAACCGCTGAACCCTGAAAAAATTGAAAAAATTGAAAAAAAA
Giutamino synthetase	W29579	GCGAATTGGGCCCTCTAGATGCATGCTCGAGCGGCCGGTGTGATGGATG
Glutatrione peroxidase	MZ1210	GCCAAGCTATTAGGTGNCACTATAGANTACTCAAGCTATGCATCAAGCTTGGTACCGAGCTCGGATCGACTAGTACGGCCCGCCC
Giutathione S-transferase P1	X02804	GCGAATTGGCCCTCTAGATGCATGCTCGAGCGCCCCGGTGTGATGGATATCTGCAGAATTCGCCAGAGCTGCAGAGCTGGAAGGAGGAGGTGGTTAA CCATAGATGTCTGGCTTCAAGTCCCTAAGTCCCATTGTTGTGGAGGCTCCCCCAGATTTGAGAGTGGAACCCCTTACACATTCTAAT CCATAGATGTCTGGGGTCCTCGGGTCCAAGTCCAATTCCATTGTGGAGGAGGAGGAGGAGGTTGGAGGTTGGAGGATTTAGGGGTTGAAGCCTTTAAGGCCTTTAATTGTGAATGGGGTGGAAGTATGGTGAATTGTGAATTGTGAATTGTGAATTGTGAATTGTGAATTGTGAATTGTGAATTGTGAATTGTGAATTGTGAATTGTGAATTGTGAATTGTGAATTGTGAATTGTGAATTGTGAATTGTGAATTGCTGAATTGTGAAGCCTTGTTGAATCTTTTGAATTGTGAATTGCTGGAACCTTGTTGAACCTTTTGAATTGTGAATTACAATTACAACTTGCTGGACCTTGCTGGTCCACAAGCTTTCATTGTGGGTAATTGCAATTACAACTTGCTGGACCTGCTGGTCCACAACTTGCTGGTCCACAAGCTTGTTGCTGTGCTGTGCTTGCT

4	XB7654	NGONCTATAGANTACTCAAGCTTATGCAAGCTTGGTACCGAGCTCGGATCCACTAGTAACGGCCGCCAGTGTGCTGGAATTCGCCCTTGTGTGGAATTCGCCCTTGTGTGGAATTCGCCCTTGTGTGGAATTCGCCAGAATTCCTGAGAAGCTGTCCGGACCTGTGGAATTCCTGGAATTCCTGGAATTCCTGGAATTCCTGGAATTCGCGAGATTCCTGAGATTCTGCAGAATTCGCGACACATTCCTGGAATTGGCAAGATTCTGGAATTCCTGAGAATTCGCGACACATTCCTGGAGACTGTGGAAGACTTCTTGGAGAGATCTTCCTGGAGAATTCTGAAGAGTTGAAAGAGAGATTGAAAGAGAGATGAAGAAGA
Ghrathione S-transferaso Ya	K00138	TGGCCCTCTARATGCAGGCCGCCCCCCCCCCCCCCCCCCC
Gulatrione S-transferase Yb2 subuni M13590	M13590	TINCGACATGATTACGAATTAATACGACTCACTATAGGGAATTTGGCCCTCGAGGCCAAGAATTCACCAGGGCCAGGACGATGATTCACATTTAATACAAGAAGCTTCACAGGATGCCTATGACQTTGGCTTATGACGATGCCTTCACGAGTTATGACGAAGCTTGACAGATGTTCACAGTTCACAGTTCACAGTTCACAGTTCACAGTTCACAGTTCACAGTTCACAGTTCACAGTTCACAGTTCACAGTTCACAGTTCACAGTTCACAGTTCACAGTTCACAGTTGCTTTCACAGAACAGACAG
Glycine methyltransforase	NM_017084	TATGACATGATTACGANTTAATACGACTGACTATAGGGAATTTGGCCCTCGAGGCCAAGATTCGGCAGGCGAGGCAGGC
Нете охуделаse	NM_012580	TINTGACATEATTCGATININAANCCGACTACTATAGGGGATTTGGCCCTCGAGGCCAAGAATTCGGCACGAGGACCCGCTACCTGGGTGACTCTCTCT
Hepatic lipase	M16235	TTGGGAATTGGCCCTCTAGATGCTCGAGCGGNCCGCCAGTGTGATGGATATCTGCAGAATTCGCCGTCGCGGGATTCCGGAGATTCCAGAGATTCT GGGCTATGACATCCAGCGATTGGCACAGAGATAGAGCAAATTACCACTTCTCCATCACCAGCAGCCCTTCGCCGTTCAAATTACCAGTTC AGAATCCAGTTCATTCAATCAATCAAATGCAGAAATAGAGCTACTTTTACCAGTGACAGTGGTGGGGAAAAAGAAGAAAAATTCCCATCAC CCTGGGCGAGTGATTCAATCAAATCA
Hepatocyte growth factor receptor	X36786	GCGAATTGGGCCCTTAATGCATGCTCGAACGCCGCCAAGTGTGATGCATTGTCCCAGAATTCGCCCCTTATCGCGGGATTCCTCAAGTACTAAG GCGCTGAAATTCTTGCCCAGCAAAAGTTTGTCCACACAGACATTAGCTGCAAGAACTGCCTTGTGGATGAAAATTCACTGACAGGGTGCTGTTTG GGGTCTTGCCAGAAAGTTCACCACAAGAGTTTATAGCGTCACACAAAACGGGTGCAAAATTACCGGTGAACTGACTG

amma	AA957422	TATGACATGATTACGAATTTAATACGACTGACTATAGGGGATTTGGGCCTCGAGGGCGAGAATTCGGCGGGGGGGG
Histidine-rich glycopratein	AF194028	CACCCTCATGENCAGCATCCCCCATGGACACCACCATGGTCACCATCCTCATGGTCACCATCCCATGGACACCACCCCATGGACATGCACCCCCATGGACATGCATTCCCTCATGGACCATGGACATGCACGCAC
HIMG CoA reductase	X65286	GGGGBANTIGGGCCTCTAGATGCATGGTCGAGGGCCCCAGTGTGATGGATATCTGCAGAATTCGCCCTTCGCGGGGATCCTGGTTTGTGAAGCTG TCATTCAGAGCAAGCATTAGAGAAGTATTAAGACGAGTACGAGAGTAACAAGATACAGAGAATCTTGCAGGCGTGCTGCAGGAGTGTTGCATGCA
HMG-CoA syrdbase, mitochondrial	M33648	TATGACATGATTAGGAATTTAATACGACTCACTATAGGGAATTTGGCCCTCGAGGCCAAGAATTCGGCACGGTGGCTTTGTGTTGATTGA
Hypoxanthine-guanine phospkorfbosyltransferase	, , ,	CAATTGGGCCCTCTAGATGGTCGAGCGCCCGCGGTGTGATGGATATCTGCAGAATTGGCCCTTGGGCGGATCCTGCTGAAGATTTGCAAAA GGTGTTATTGCTGATGATTATGGAGACGAGAC
Hypoxia-frducibie factor 1 alpha	AF057308	GCGANTIGGACCCTCTAGATGCATGCTCGAGCGGCCGGTGTGATGCATTGTTTGT
D-1	D10862	GGATTICGECCTIATICGNGGGATCCAAAGCGTTGCQATTICGCGCTTGGGGTTGGNACGNCGCCTGGCCCCTGCTGGGGACGAACGGGTGGAACGGTGGGAACGGTGGAACGGTGGAACGGATGGAACGGAACGGAACGGAACGGAACGGAACGGAACGGAACGGAACGGAACGGAACGGAACGGAACGGAACGGAACGGAACGGAACGGAACGGAACGAACGGAACAAC

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gE binding protein	NM_031632	TATRICATE ATTACOGNATITA ATACGACITACIONE A TAGGACACI I CAGAGACAMANA I TAGGACATIGA TO TAGGACA ATACACA ATACACA ATACACA ATACACA ATACACA ATACACA ATACACA AGAGACA ATACA ACACAGA ACACACA A ACACACA A ACACACACA ACACACACA ACACACA ACACACA ACACACA ACACACACA ACACACA A ACACACA ACACACACA ACACACACA ACACACACA ACACACACA ACACACACACACA ACACACACA ACACACACACACACA AC
В-Ф	X63594	TTGCGAATTGGGCCCTCTAGATGCATGCATCGGCCCCCCCAGATGTGCATGGAGATTGGCCCTTTGGAGGCCCCCCCC
insulin-like growth factor binding protein 1	M8979.1	TIGGCGANTIGGGCCCTUTAGATICGATGCAGGCGGGCGCGTGTGTGATGGATTGTGAGGTGTGCGGTGTGTGGGGTGAGGGGGGGAATTGGGCCCTUTAGATTGAGGGGGGAAATTGGAGGGGAAATTGGAGGGGAAATTGGAGGGGAAATTGGAGGGGAAATTGGAGGGGAAATTGGAGGGAAAAGGAGG
insulin-like growth factor bhoding protein 5	M62731	CAGAGOTTCCCTCCAGGAGTCCATGCATGCATGCATGCCAGCAGTGGCCCCAGTGTGATGCAGAGTGTGACCGCAAAGGATTCAAAGAGAAAAGCAATCAAGAGAAAAGCAGCCAGC
insulin-like growth factor l	M15480	CGANTGGGCCTTGAGATGCAGGGGCGCCAGIGIGAIN GANALCIA CANALGGGGCGGGGCTGAGATGGTGGTGGAGGGGGTGTTGAATTGGTGTGTGT
Insulin-like growth factor I, exon 6	543941	TATGACATGACAATTACGAATTTAATACGACTCACTATACGCCAATTGGCCCTCCAAGACAATTCGGCACGAGGATCTACTACAAAAAAAA
Integrin beta 1	U1230 0	TIGIGAAT IGGCCCTCTAGATGCAGGCCCCCCAG ILIGATGGAGGCCAGGAGGAGGATGCAGGCATAAAGGCAGGCCTCCAATAAAGGCCCAACTCCAAGAGGCCCAACTCCAATAAAGGCCCAACTCCAAGAGCCCTCCAATAAAGGCAACCCTGTGAGAGCTTCCAATAAAGGCAACCAAC
Integrin bela-4	950090	NCCCTCTTTGAAANCGNTTCGTATACATCCATGCTCNAGGGGAACAGGAAGGGAGGGCTNTGNACCCCANCGTNAGGGTATCATCNCCATCGA CCTGGCCTCAGTGAGAGACGTTCCTTACAAGNTNAAGGTGCATGCCCGGACAACAGNAGGGCTNTGNACCCCANCGTNAGGGTATCATCNCCATCGA INTNTCATGATGGAGNCCCCTTNCCACAGATNG

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inter-apha-inhibitor H4 heavy Chain (Nih4)	805810_MM	TORGEGOTIGAGE AND THE CAGACATIGIC CAGACTOGGGGATGGTCT GGATCT GGATCT GAGACATACATGCT COTGGGACTTCCT GGACT CCTGGACT CCTGGACT CCTGGACT CCTGGACT CCTGGACATACATACATACATACATACATACATACATACA
Interieron related developmental regulator IFRD1 (PC4)	NIM_019242	AAGATGATTAGGAATTIAATAGGACTCAGTATAGGGAATTTGGCOCCTCGAGGCCTAGGAATTGGGCAGGAGGTGATGATGTAAALTGTGAGAATTGGGGAATTGCTG CTGGCGAATTTTGGCAGTGTTTGAATTGGCCAGAGGAATGGAATTGACAGGAATTCGGCACAGAGAAACTGATAAATTGGGTCGGGAAT GTTAGATAGCTGGGGTCAAAAAGGCACTATGACAGGTTTAAAAGGGGTCTGGGAATGAAT
hiterleukin-10	926201	GCGANTIGGGCCCTCTABATICCATCCAGGCGCCCCAGITTATIGGAI/ATTGCAGAATTTGCCCTTATIGGGGCCTTABATICGAGGCTCCAGGAITTGGCCCTTATIATGGGGCCTCAGAATTGGGCCCTTAGAAGGAGTCCAGGGGTGCAGGTGCAGGTGCAGGTGAACTTGTACGGGGTGCAGGTGCAGGTGAACTTGTACGGGTGAACTTGTACGGAGAACAGGAACAGGAACAGGAACAGGAACAGGAACAGGAACAGAATTGCCCTTGCAGAACAGAATTACAAGCAGAACAGAATCAAACAGAACAGAATCAAACAGAATCAAACAGAATCAAACAGAATCAAACAGAATCAAACAGAATCAAACAGAATCAAACAGAATCAAACAGAATCAAACAGAATCAAACAGAATCAAACAGATTAGAACAACATCATTAGAACAAACA
iron-responsive element-binding protein	NM_017321	TATICACATGATTACCAATTTAATACGACTCACTATAGGGGATTTGGCCCACGAGGATTCGGGCACGAGGGGGGGG
JNK1 stress activated protein kinase	(27128	BCGANTTGGGCCCTCTABATTGCATGCTGCAGCGGCCAGTGTGATGGTGATGATGAGTGATGAGTATGAGAGAATTGAGAAATTGAGAAATTGAGAAATTGATGA
L-gulono-gamma-lactone oxidase	012754	TATGACATGATTACGAATTTAATACGACTCACTATAGGGAATTIGGCCCTCCAGGGCCAAGAATTICGCAGGGGGGGCAAGAACACAA IGGGACTCACTTACTCCTCAGGGGGAAGAACACAAGGGGGGCACAAGAATTACCTCAGGGGGGAGGAGGGGGGGG
Uver fatty acid binding protein	V01235	THIGHNATTGGGCCCTCTGGAGGGCCCCCCCCCCCCCCCCCCCCC

	U11038	TGCGAATTGGGCCCTCTAGATGCATGCTGGAGCGGCCGGTGTGATGCGAATATCTGCCAAATTCGCCCTTCGCGGGGATCCGTGGGGGGGCCAG AGATGGGCCCTCTAGATGCATGCCGTAGCGCGTGAATCTCTTCACAAAAGCGAATTTCACACAAAAGCGAAACTTTGAT TGAGCTGGTATCTGACCGGTAGGATTGCTTCTTTAAAACAAAACGGAAACATTGATATTCTTCAGCTTTCAGCTTTGAAAACGAAACTTTAAA ATCATTCTGATAGGAATATCTTAATAGACGTGCTTTTAAAAACAAAACGGAAACTAGTGTCAGTAGTATGAAAACGAAACGGAAACTATTAAAAACAAAACGGAAACTAGTGAGTAGTAGAAACGAAACTAGTGAGTAGTTAAAACAAAACGAAAACGGAAACTAGTGAGTAGTAGAAACGAAACTAGTAGTAATTAAAACTAAAAACGAAAACGGAAACTAGTAAAAATAAAAAAACGAAAACGAAACTAGTAAAAAAACTAAAAAAAA
Macroptage Inflammatory protein-1 alpha	UZ2414	ecoantigegecctividaticeatecroaacogeccocatificateathiritedeagantigeccettaticegegearticegestigated adacticitecaceccataticaacoccocacticitedeacoccocacticitedeacoccocacticitedeacoccataticacocc
Macrophage inflammatory protein-2 alpha	2962 0	CCGCCAGTGTGTGGAATTCGCCTTGNCGGATCCGCCAGCTCGTCATGGTGTGTGTCTTGCTTGCTT
Malate dehydrogenase, cyfosolic	AF093773	TCTATGACATGATTACGAATTTATACACATTACACCACTATAGGGGAATTTGGCCCTCCAGGATTTGGCCACGAGGGGCCTGGTGCGTGC
майс епгулле	мзосое	CTATAGATGCATGCGCGGCCGCCGATGTTGATGCGTATTCGGCCTTGCTGAGAAGGCTGCAGAAGGGTGAGAGGGGGGGG
MAP kirase kinase	D14591	ATECCEAATTEGGCCCTCTAGATGCATGCTCGAGGGCCCCCAGTGTGATGGATG
Maspin	U58857	GGGCCCGTTGAATGCACGTCGAGCGGCGCCAGTGTGATGGAATTATGCAGAATTCGCCCTTCCAAAATGCTTGTGTGTG

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Natin F/G	NM_022667	HIBACHTANTEN INCOMENTATION OF A CONTROLLED AND A CONTROLL
Matrix metalloproteinase-1	281785	ATCHOL THE COATTGEGECOCT CTAGATIGCATGGAGGGGCGGCCAGTGTGATGGGATATGGGGAGATTGGCGGGGATCCGGGGGATCCGCGGGATCTGCCGGGGATCTGCCGGGGATCTGCCAGTCTGGGCAGTTGCCAGTGGGCAGTTGCTGGGCAGTGGGCGCTGGGGCCTGGGGCCTGGGGCCTGGGGCCTGGGGCCGCTGGGGCCTGGGGCTGGGGCTGGGGCCCTGGGGGTGGGCTGGGGCTGGGGCCCTGGGGGTGGGTGGGTGGGTGGGTGGGTGGGTGGGTGGGTGGGCTGGGGGTGGGG
Melanoma-associated antigen ME491	NM_017125	TCTCTATGACATGATTACGAATTTAATACGACTCACTATAGGGGACTCACACACA
Methylacyl-CoA racemase alpha	NM_072816	CITATGACATGACATTACANGGGGTGTCACATATGCTGTCACATATTGGTGCACAGAGGTGTCACATATTGGCAGGGGGGTGAGAACCCATACCCTCC CATTCTAGAGGTCACTTACAAGGGGTGTTCAATTTGCTGGTCACATTTGGTGTCACATTTGGCAGGGGGGGG
MHC dass I antigen RT1.A1(f) afpha- X99767 chain	X99767	TCTATCACATGATTACGAN I TAN CAGAI LACA INAGES SAN INTEGRACIO CONTRA TECTA COA CACGGA TOTAT TOTAT CONTRACA INTEGRACIO CONTRACA INTEGRACIO CONTRACA INTEGRACIO CONTRACA INTEGRACIO CAGA CONTRACA CAGA CAGA CAGA CAGA CAGA CAGA CAGA
MHC dass II amigen RT1 B-1 beta- chain	90999X	GGGGNTATGACATETTTGTGTCGTACALITAGAGAGCAGAGCAGCCGTCCCCCCCCCCGGGGAAAACATTTGGGACCCCCCCGGGGGAAAACAAAAAAAA
Moroarrine oxidase B	M23601	USIANDAMENANCINIA IN NOSTINIA SONO CONTROCAGA COCATTACCAACA CCTTCCTGAAGA GACATTIGCCTTCTGACAGGITGTACCAGGITGTACCAGGITGTACCAGGITGTACCAGGATGTACTTACAGGATGTACTTACAGGATGTACTTACAGGATGTACTTACAGGATGTACTTACAGGATGTACTTACAGATGTACTTACAGGATGTATTACAGGATGTACTTACAGGATGTACTACAGGATGTACTACAGGATGTACTACAGGATGTACTACAGGATGTACTACAGGATGAGATGTACAGGATGTACAGGATGTACAGGATGTACAGGATGTACAGGATGTACAGGATGTACAGGATGTACAGGATGTACAGGATGTACAGGATGTACAGGATGTACAGGATGTACAGGATGTACAGATGTACAGGATGTACAGGATGTACAGGATGTACAGGATGTACAGGATGTACAGGATGTACAGGATGAGAGATGAGAGATGAGAGAGA

Multidang resistant protein-1	M81855	GAATTGGGACCTTTAGATGCAATGCAATGCAATGCAATG
		GECAAAGAATIAAACCAATTCAATSTCAATSTCAATSTCAATSTCAATTCATTC
Mulitang resistant protein-2	1,16079	ATOCCATGGOCGGACCAGTGTTCCTCGATGGTCAGNAAGCAAAGAACTCAATGTOCAGGGTCCGAGCTCACTTTGGCATTGTGTGTCCGAGAAGCCCAACAACATGGCATGGTCCAGAAGCCCAACAACATGCAGAAGCCCAACAACATTGTAACAGCACCAACAACATTGAAACATCGCCCAACAACATTGAAACATGCAACAACATTGAAACAACATTGAAACAACATTGAAAACATGCAAACAACATTGAAAACAACAACATTGAAAACAACAACAAAAGTTCAAAACAACAACAACAACAACAACAACAACAACAACAA
Mutt. homologue (MLH1)	U80054	GANTIGGOCCICTAGATGCATGCTCCAAGCGCCCGCAGTGTGATGTCTGCAGANTICGCCCTTCGCGGGATCCTTACCGGAACCAGCCCCCCCCCC
Myelin basic protein	M25889	TTTGAGAATOGGGCCCTCTAGATGCATGCTCGAGCGGCCGGCTGTGATGGATATTGCCAGAATTCGCCCTTATCGCGAATTCCCTCACAGCGCGCACGCGCGCG
NADH-cytochrome b5 reductase	D00636	TATGACATGATTACGAATTTAATACGACTCACTATAGGGAATTTGSCCCTCGAGGCCAAGAATTCGGCACGAGGAGAGAGAGAGAG
NADP-dependent isocitrate dehydrogenase, cyfosolic	L35317 **	TCTCMTATGACATGATTACGAATTTAATACGACTCACTATAGGGAATTTGGCCCTCGAGGCCAAGAATTCGCCAAGGGGAAAGGTTTTTTAATTGT ATTTACTGTGTAATTAGCAGTCTAGGAATTGGTTAGTATTGTTTGCAATTACTGTCAATTGCTCAATGTAAATGAAATGACAAAATGAAAATGCTCAAAATGACCAAATGAAATGTGAAATGAAATGTGAAATGAAATGTGAAATGAAATGTGAAATGAAATGTGAAATGAAATGTGAAATGAAATGTGAAATGTGAAATGAAATGTGAAATGTGAAATGTGAAATGTGAAATGTGAAATGAAATGTGAATTTCAAAATGTAAATATAAATGTGAATTTCAAATGTAAATATAAATGTGAATTTCGCAATTTTCAAAATGTAAATAAA
NADPH cytochrome P450 oxidoreductase	M10088	NGNGNGNINTGGCGGNANGNNGTNNCCNTRGNGANCNANGATGGAAAAAGNGTINGNGGGGGGGNINTTNNGAGAGAGACNNNCNAGGCCTCN CATNCGGCCNNNNNNCHANNCAGNANGGAGAGCCGNNNGGAAGACNNGANGACNANGAAANAAAAAAAA
N-cadherin	AF097593	GCGAATTGGGCCTCTAGATGCATGCTCGAGCGGCCGCCAGTGTGATGGATATCTGCAGAATTCGCAGAGCTGAAGCCTGATGCCCTTTCAAACCTGTTGGAGCCTGAACCTGTGGAGCTGTGAACCTGTTGGAGCCTGAACCTGTGGAGCCTGAACCTGTTGGAGCGAACCTGCGAAAACCTGTTGAACCTGCACAACCACACCCACACCCACACAATTGCCCTTTAGCTTCAGACTAGAGCGGTGGCCGCTTCAATTGAACCTGAACCACTGCACCGGTGGCCGATGTTGAACTTCTCAAACTCTCCAACAATTGCCAAATTGACCAATTGAACCATTGAACCTGCCCCAACTGTTGAACTTGCTCTCAACATGAACCATTCAACAATTGCCAAAAACCATTACAATTGCCAAAACCATTACAACAATTGCCAAAACCATTACACAAATTGCCAAAACCATTACAACAATTGCCAAAACCATTACAACAATTGCCAAAACCATTACAACAACCATTACAACAATTACCAAAACCATTACAACA

Neuronal cell adhesion motecule (NrCAM)	U81037	TATGACATGATTACGAATTTAATACGACTCACTATAGGGAATTTGGCCCTCGAGGCCAAGAATTCGGCACGAGGGTAATTCCTGGACTCGACTCGACTCGACTCGACTCGACTCGACTCGACTCGACTCGACTCGACTCGACTCGAATTCGTGAATTCTGAATAGCACAACGAGGAACTAGGCCTTTCGAATTCTGACAACGACGAACGA
NGF-inducible anti-proliferative putative secreted protein (PC3)	M60921	TIATIGACATGATTACGAATTACTACTACTACTACTGGGGAATTTGGGGAATTCGGCACGGGGGGGG
N-hydroxy-2-acetylarniroftuorena sufforansierase (ST1C1)	Al030692	TATGACATGATTACGAATTTAATACGACTCACTATAGGGGAATTTGGCCCCTCGAGGCCAAGAATTCGGCAGGGCTTACTTA
. применения применени	AB020967	TATGACATGATTATACGACTTATATGGGGATTTGGGGGATTTGGGGGGGG
Nucleoside diphosphate kinase beta Isoform	D13374	GCCANTIGGCCATCANTCATICATICAGGGGCCGCCAGTIGTGATGSATAICTIGGAGAATTUGACATTATAGGGATTCAGGGGATTCAGGGATTCAGGGATTCAGGGATTCAGGGATTCAGGGATTCAGGATTACCATAGCTTTAGGATTCAGTTCAGGATTCAGGATTCAGGATTCAGGATTCAGGATTCAGGATTACCATAGCTTGAGTATTCAGTTCAGATTCAGTTCAGGATTAGCATTAGGATTCAGGATTCAGGATTCAGGATTCAGGATTCAGGATTCAGGATTCAGGATTCAGGATTCAGGATTCAGGATTCAGGATTCAGGATTCAGGATTCAGGATTCAGGATTCAGGATTCAGATTCAGAGATTCAGAGATTCAGAGATTCAGAGAGAG
Nucleosome assembly protein	AF062594	TICTGACATGATTACGAATTTATAACGACTCACTATAGGGAATTTGGCCCTCGAGGGCAATGATTGGCAATGATTGGCAATGATTGTGTAATACGAATTGATTAATACGACTCACTATAGGGGAATTTGATTCATTC
Octamer binding protein 1	U17013	capozagotjatojoga-apozidogotjaca-gadopogotjotokoaagoajdoparanjosagizaanjocagizulgotjotalgotjotokojosagizulgodo azajdiodobogagotjotokoaajotokaanoogogijacodogotjojokokagovozijotokogotjotokozijotokojotokozijotokozijotokozijo gozadogojacotjotokaajotosagizagigotocozizanjojojokokagovozijotokozijotokozijotokozijotokozijotokozijotokozijot apozioceziookagizalioposijotokoziozijadopozijatokagajotokozijotokozijotokozijotokozijotokozijotokozijotokozijot

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	AF041105	TREGECEANTIEGECCTCTGGAGTGCATGCGAGCGCGCCATTGTGAAATATTGCAGAATTGCCCTTGGCGGATTGGCGATTGTGAATTGCCCTTGCGGGATTGCATTATTATTGATGCAGATTGCCCTTGGCGGATTGCATTATTATTGATGCAGTTATTTAT
	L19031 *	ANABATACITABETA IGATA IGA CAGA IGA COCAACA MATAACAA CAGA CAGA ATAACATAA MATACATAA MATAA MA
33	AF055286	GCGAATTIGGGCCTCTAGATGCATGCTCGAGCGGCGCAGTGTGATGGATATCTGCAGAATTICGCCGAATTIGGCGGGAACACTTAGAGTAACCTTTGAGGGAACACATTAACCTTTGAGGGAACCGTAGAGGATCTCCAGGGAACACATTAACCTTTGAGAAGATCTCCAGGGAACACATTAACCTTTGAGAACATCTCCAGGGAACACATTAACCTTTGACAACATCCAGGAACATTAACCTTTGACAACATTCCAGGAACATCTAGCAAACATCCAGGAACATTAACCTTTGACAACATTCTTGAACATTTCTTGAACATTCTTGAACATTCTTGAACATTCTTGAACATTCTTGAACATTCTAGAACATTCAAGAAGTTCAAGAAGTTCTAAGAAGTTCTAACAAGATTCAAGAAGTTCAAACATTCAAGAAGTTCAAACATTCAAGAAGTCCAATTCAAGAATTCAAGAAGTCCAATTCAAGAAGTCCAATTCAAGAAGTCCAATTCAAGAATTCAAGAATTCAAGAATTCAAGAATTCAAGAATTCAAGACAATTCAAGACAATTCAAGAATTCAAATTC
Orrithine decarboxylase	J04792	TTGAGAATTGGNCCTCTAGATGATGCATGCAGCGGCCGGTGTGTGATGATATCTGCAGAATTGGACAAAAATGAAGATTCAGACCAAAAATTAGAAGTTC ACCATGGGCAGGCAAAAATTAAGGAGGCCAAAAATTCATGCAGCAAAAATTAGAAGGACTTTCTGGACCAAAAATTAAAGAAGGACTTTCTGGACCAAAAATTAAGAAGGATTCTGGACCAAAAAGAATTCATGAAGGAATTAGAAGGATTCTGGACCAAAAAGATTCATGATGCTGAAAGAAGATTCATGATGCTGAAAGAAGATTCATGAAAGAATGAAGTTAGAAGAAGAATTAGAAAAAAAA
Osteoactivin	AF184983	cuegetatra, chatta traca antita chacter in Account and control and control and control
oportin	M99252	TTGACATGATTACGAATTATACGACTATAGGGGAATTTGGCCCTGGAGGCCAAGAATTTGGGCAAGAATGAGAGGAAGAAGAAGAAGAAGAAGAAGAAGAAGA
P53	X13058	TTGGCGANTIGGGCCCTCTAGATGGTCGAGGCGGCGGTGTGATGGATGTTGTGCAGANTICTGCAGANTICGGGGATGTGGTGGATGATGATGATGATGATGATGATGATG

Description	U06341	NACTOA/ACTATGACTOA/ACTOGACACTOCAA/COGA/TOCAA/TAGA/ACCAGTIGACT/GAA/ACTOGACTAGA/ACTOGACAA/COGATIGACAA/ACTOGACAA/COGATIGACAA/ACTOGACATIGACAA/ACTOGACATIGACAA/ACTOGACATIGACAA/ACTOGACATIGACAA/ACTOGACATIGAA/ACTOGACATIGACAA/ACTOGACATIGAA/ACTOGACATIGAA/ACTOGACATICAA/ACTOGACATIGAA/ACTOGACATIGAA/ACTOGACATIGAA/ACTOGACATIGAA/ACTOGACATIGAA/ACTOGACATIGAA/ACTOGACATIGAA/ACTOGACATIGAA/ACTOGACATIGAA/ACTOGACATIGAA/ACTOGACATIGAA/ACTOGACATIGAA/ACTOGACATIGAA/ACTOGACATIGAA/ACTOGACATIGAA/ACTOGACATIGAA/ACTOGACATIGAA/ACTOGAA/ACTOGACATIGAA/ACTOGAAA/ACTOGAAA/ACTOGAAA/ACTOGAAA/ACTOGAAA/ACTOGAAA/ACTOGAAA/ACTOGAAA/ACTOGAAA/ACTOGAAA/ACTOGAAA/ACTOGAAA/ACTOGAAA/ACTOGAAAA/ACTOGAAAA/ACTOGAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAA
PAR Interacting protein	U83590	CTATEACATGATTACEAATTTAATACEACTCACTATAGGGGAATTTGGCCCTCGAGGGCCAGGAGTGCAGGGGCTTTCTTGGGCATGGTTCAAGGG CAAGCAGCAAAGGTGCAACCTCAAACATCAGCAAGAGGAATCACTCGTGTGGCTCCAGTTGCATTCTACTGGGGGGCTTTCTATGGGGAGGCGTGGTTGTT GGGGTGCAGCGTCCAAAGTCAAAGAAGAAGAAGAAGAAGAAGAAAAAAAA
Paramonase 1	U94858	TTGCGANTTGGGCCCTCTAGATGCATGCATGGGCGCCCCCAGTGTGATGGATATGCAAATTCGCCTTGTCCTGGGGAATGTATTGGTAGGGGAATGCCTTGATGGCATGGCATGGCATGGCATGGCATGGCATGGCATGGCATGGCATGGCATGGCATGGCATGGCATGGCATGGCATGATGGCAAGAATGCGCAAGAATGCCGGAAGAATGCCGGAAGAATGCCGGAAGAATGCCGGAAGAATGCCGCAAGAATGCCAAATGCCAAGAATGCCAAGAATGCAATGAATG
	M32801	GAACCAGCTATGCCATATTACGCCAAGCTATTTACGCACTATACAATACTCAAGGTATGCATGC
Peroxisomal mutifunctional erzyme type II	NM_024392	TACATGATTACTACTTTATACGACTCATAGGGAAT TIGGSCCTCGAGGGAGGAGTACTGAGTCATCATCATTACTACTTATACGACTCATAGGAATTACGACTACTAGGAATTACGACTCATAGGAATTACGACTCATTATAGGAATTACGACTCATGACTTACGACTCACTGACTTACTACTACTACTACTACTACTACTACTACTACTACT
Peroxisoma assembly factor 1	X57988	GCGAATTGGGCCCTCTAAATGCATGGTCGAGCGGCGCAGTGTGTGT
Peroxisome proliferator activated receptor germra	AB011365	NGCOCTIATORATIATORAGICIATICAGIT TOGGITACOGRACI LOGATICAT NATIAGAZICACAGI ELENATISMO TOGGITAGAZICACIA NA CONTROCOCTIA NATIONICA AGAINATORAGITACITACIATORAGITACITACIATORAGITACITACIATORAGITACITACIATORAGITACITACIA NATIONICAA GAINATORAGITACITACIA TAGATACAGITACITACIA TAGATACAGITACITACIA TAGATACAGITACITACIA TAGATACAGITACITACIA TAGATACAGITACITACIA TAGATACAGITACITACAGITACITACAGITACITACAGITACITACAGITACITACAGITACITACAGITACITACAG

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	CTATCCATTICTTGCTTCTTAGATTCTTCTAAGATTAATAATTCAAGATTAATAAATTAATATAACATAAAATAAAAATAAAAATAAAAATAAAAAA
	ACATICATEAACCATIAGECATIAGITAATICAGAATAAATAAATAAATAATATTIAGAAAATATGTTTGTT
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Phase-1 RCT-102	TIAIGACA (GATACGAA) I TAATA (GATACACACACACACACACACACACACACACACACACACA
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	CTRACTECTARACACCAATRACACATGECACTICTOTATICTOTTICTOTAGACTGAGATTCTTGACACTCTCCCTACACTTAGACACATCACACACTTAGACACATGACACATGACACTGACATGACACATGACACATGACACATGACACATGACACATGACACATGACACATGACACATGACACATGACACATGACACATGACACATGACACATGACACATGACACATGACACATGACACATGACACATGACATGACATGACATGACACATGACACATGACACATGACACATGACACATGACACATGACACATGACACATGACACATGATGACATGACATGATGACATGATGACATGATGATGACATGATGACATGATGATGACATGATGATGATGATGATGATGATGATGATGATGATGATGA
	CTGTTAGGGTAGATATATCAGCTAGATAGAGCAAGGAAACGGTATTGTGCCATTTAGGAGAGTTGAGGTTGTAGGATGTGAAAA
	GGGANGCTTTTGTAACATGTGGTCCTTCCATAAGTACCONATGTATTTTAGNCTATTTTAGTCGTATTTGNTCMATAAAATATGCAAGGTATANGGTAA
	ACANANAACAAANAAAAAAAAAAACOTTTGGGGGCGGCCGAAGCTTATTCCCTTTAATGAGGGGTTAAATTTTAGCTTGGGCCTGGGCGGCTTTAACAANA
	NCC
Phase-1 RCT-103	TTATNACATGATTACGACTCACTATAGGGCTCACTATAGGGCCTCGGGGGGCTCAGGAGTTCCCCTTCCCCTTCCCCTCGGGGGGGG
	GGTCCTTCGTTTTGATGTTTCATTATTAGTCCTACTCGACCAGAACTCTGSTGTGSTG
	CITCE/GEGESTITE CATALOGY AND ANALOGY AND A
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	ATGEGANAGICATGGAGGAAAACAACCATGTCACCCTCGGNAATTNCATATACCGTGNGCATACCTGNGNAAATTTTCANAACATTCATACAT
	TGCATTGCC
Phase-1 RCT-107	TTATGACATGATTACGAATTTAATACGACTCACTATAGGGAATTTGGCCCTCGAGGCCAAGAATTCGGCACGAGGCTCAAAGTGTAGCAAGA
	ACTGGCCAAGAGCGGACAAACCTGGCTCCACTTCCCAAGTGCTGGGATCATAGGAATGTGCCACCACACGTCGGTGTTGACCTCAATAGTAA
	GCGGTGAGATTAACGTACCACAGAGCATTCCCATTGCGATCTCTCTC
	ATTIGIGGICACTGATAGGAACTGGAGATATTATTTCCCTCAGGIGTIGGAGGACTGGTGGCTGGTTGGTTGGTTGGTTGGTTGGTTG
	AGGAGCAGTGCTAATTGGTCAGGTTCATTTAAGAACCGGGAAGTGGTGGTGGTGGTTGATTCATTAACAACAATTGATTAACATTGATTAACATTAACATTAA
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Phase-1 RCT-108	TITATGACATGATACGAATITAATACGACTCACTATAGGGAATTTGGCCCTCGAGGCCAAGAATTCGGCACGAGGAGCGCCCAAAGGTTTTTT
	TTTTTTTTGCTTAAGTATACTATTAATGAATTACAATTGTAAAAGTTATCTCAGTTTTTCCTATTCACTTTGGGGAATTCAATAAATTTA
	TTTGTAATATATAAGTATTAGGGGTAGGGAAATGAACCACTGTACTATTCCAATGTTTATATTTAATCTAATTGGGGGGATTGAAATTGAAATTGAAATTG
	ARTGGTAAAGAATGTCTAAAGGTTATTTCGTTAAAGAGAGAG
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Phace-1 RCT-109	TCTCAAAGTGATTTTCCCAAGANTTACGACTCACTATAGGGAATTTGGCCCTCGAGGCCAGGAATTCGGCCACGAGGGAGAAGCTACTAGGCATGTCA
	AGCAGTCAGCAGCAGCATTTCTTCTTCATGGTCATGAGGTGGACACGTCGGGGTTCAGTGAGTCCTACATCAGGAAGAAGTACCCCAAACCAGA
	AGAAATCGGTCCACAAAAGGTGGCTCCGATTCCTCCCTTTCTAAACCAGGCCAGCACGGCGAGTCGAGTTCTTTCAGGTTCGTCAGGTGAGT
	CTCTTCCGGATTCAGCTGCTCATCCTTATCCGGACTCACCCGGTGTATCCGGAAAGAAGAAAAAAAA
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Hase-1 KCI-111	INTERPOLATION DE LA CONTROL DE LA CONTROL DE LA CONTROLA DEL CONTROLA DE LA CONTROLA DEL
	GCTCCCTCATTTGAGAAGCAGGCCGCCATTCCACCCCGACTCTGCAGCCTAGTCTGAAAGAGGTAGTTAAATGGGAACATATTAACTCA
	AAGTCAAGAGTCCAGCAAGAAGACACAGGCAAACCCTGAAGAGCCTTATTGCTGCTAAGGCTGCAGCTCATATTGGCTGCTGCTGTGTGTG
	GTAGAAGTCCTCCAGCACTCAAGAACTCAAGAATCAAGAATTAAGAACTCAAGAACTAAGAACAAAGAATAAAGAATAAAGAAAAAGAAAAAAGAAAAAAGAAAAAA
	AGGCCGACATGTCTCTGGGCATTGGCATTCGGTAGGCATTCGGTAGGCATGCTCAGGCTTGCTGGGTGGCTGGGTGGG
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Phase-1 RCT-112	TTATGACATGATTACGACTTAACACTTAAGGGAATTTGGCCCTCGAGGCCAAGAATTTCGGCACGAGGTTTTTTTT
Phase-1 RCT-113	CTCTATGACATGATTACGAATTTAATACGACTTCACTATAGGGAATTTGCCCCTCGAGGCCAAGAATTCGAGGCCAAGGAATTCGGGGCCAAGGAATTCGGGGCCAAGGAATTCGGGGCCAAGGAAGTTCGGGGCCAAGGAAGTTGGGGAAGATTGGGGGCCAAGGGGTTGTGGGAAGATTGGGGGCCTGGGGAAGATGTGGGAAGATTGGGGAAGATTGGGGCAAGAGGGGAAGATTTGGGGCTTAGGGGCTCAGAAGGGAAGTTGTGCAAAAGAAGGAAG
Phase-I RCT-114	CITCITATEACATTACGAATITAATACAACTCACTAATAGGAATITTGGCCCTCGAGGCCAGGAATTCGGCAACAAGAATTCGGCAACAAGAATTCGGCAACGAGGAATTCAGAATTTAATACAACTCAACACACTCAACACAGAATTTAATACAACAATGAAAAATTTCAAGAACAACTGAAGAAACAACAACAACAACAACAACAACAACAACAACAA
Phase-1 RCT-115	TCTAGGACATGATTAATACGACTGACTATAGGAATTIGGGCCTIGGGGTGAGGGAATTIGGGCCTAGAGGGTACAGGGGGGGGGG
Phase-1 RCT-117	TICCIGITICIANTTIGGGGGTAININGGGGAAGATGTTAAACCAAGCATGAAGAGAAGATICAAACTGTTAAAATICGAAGATICGAAGTICGAAGATICGAAGATICGAAGATICGAAGATICGAAGATICGAAGATICGAAGATICGAAGATICGAAGATICGAAGATICGAAGATICGAAGATICGAAGAAGAAGAAGAAGAAGAAGAAGAAGAAGAAGAAGAA
Phase-1 RCT-119	TCTATGACATTATTACGAATTTAATTACGAATTTGGGGAATTTGGGCGATGAGGCCAAGAATTTGGGGGGGG
Phase-1 RCT-12	CNITATGACATETTACGANTTTATATAGGACTCACITATGGGGATT IGGACCICGAGGCCAGATT IGAAGATTCAGAGATTC

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Phase-1 RCT-121	TOCOTOTOTOTAAAAAAAAAAAAAAAAAAAAAAAAAAAA
	TCAGCTGAACAGCATAACAATAGAAACAGGCACAATAACAAACCCICTTATCAATACTAAATAACAAACA
	AAGCAGGCAATAGTTGATATCAAAATAGAGA ICIACACIAAGI IATICTGAI TATICTGATATGAGATTGATATTAGATTGAGATTGAGATTGAGATTTAGAATTTAGATTTAGAATTCATTGAGATTAGAATTTAGAATTAGAATTTAGAATTAGAATTTAGAATTAGAATTTAGAATTAGAATTAGAATTAGAATTAGAATTAGAATTAGAATTAGAAATTAGAAATTAGAAATTAGAAATTAGAGAATTATT
	GCTGGAAAAAAAA
Phase-1 RCT-123	TTATGACATGATTACGAATTTGATACGACTCACTATAGGGAATTTGGCCCTCGAGGAGTATCGGCCAGAGAATTTCTAATAGTGTATAGAAAAAAAA
	AAAAAACACATGCGCCGCAAGCTTATTCCCTTTASTGAGGGTTAATTTTAGCTTGGCACTGGCATGGGTTGTTGTGCGCATGCGCCTTCCCAACAGTTG GGCGTTAATCGCCTTGCAGCATCCCCCTTTCGCCAGCTGGCGTAATAGCGAAGAGGCCCGCACCAACAGTTG
	COCAGCOCTGAATGGGAAGGCCCCCTGTAGCGGCGCCATTAAGCGGGGGGGG
	TTCCCATTAGGGCTTTAGGGCCCTGACCTCGACAAAAACTTTGATTANGGTGATGGTTCAGGTATGGGCCATCGCCCTGATANACNGGTTTTCN
Phase-1 RCT-127	NTNNNNTCTATGACATGATTACGATTTAATACGACTCACTATAGGGAATTTGGCCCAGAGAATTCGGCACGAGGACTGTTTGTGGTTAGG
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Phase-1 RCT-166	CTTCANATGATTAGGAATTTAATAGGACTGAGTATAGGGGATTTGGCCCTCGAGGAATTTGGCCAAGAATTTGAGAATTTAATAGAATTAATAGAATTTAATAGAATTTAATAGAATTTAATAGAATTTAATAGAATTTAATAGAATTTAATAGAATTTAATAGAATTTAATAGAATTTAATAGAATTTAATAGAATTTAATAGAATTTAATAGAATTAATAA
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	GAGGITTATGAGATGGACTTCAGTTAGTTTGCACCCTTGCAAAAATCAGGCTTCCAGAATAGTTTCCAGAAAGTCCCTAAGAAGCAGAGGACGCATTACCA
	GCCTAAGGNGANGCAGAGGGGGTCTCCONTTAGAGAGAATCTTCTGGAGGGAAATAATGNTTN

Phase-1 RCT-180	TCTATGACATGACATTACCCAGO TCGCAGCTCATTACCCAGO GCTATCACAGAGGTAACCT	TOTATGACATCATTACGAATTAATACGACTCACTATAGGGAATTTGGCCCTCGAGGCCCAAGAATTCGGCAGGGTGGTGGTGGTCAAGGCCTCATCAGGCC TOGCAGCTCATTACCCASCGGGCTCAGGTGCTCTGTTCAGAGGAGAGAGAGAGAGGGGGCCCAAGAAGAAGTAGAGAGGTAAACAACAAGTAGAGAGAG
	GAGAAAGCAAAGCAAAGCAAAGCAGGAAGC TGGCTGAATCTGCAGGATG GTGCTGAATCTGCAGGATG GAGTTGGCACACTTCTCC TGCTCTTGGGATTAANCG	GAGAAAGCAAAGCAGGAACAACAACAACAACAAGATTGTGCAGGCGAGGCGGAGGCTGCTAAGATGCTTGGAGAAGCACTGAGAATCCTTGGAGAATCCTTGGAGAATCCTTGGAGAATCCTTGAGAAACTGAGAATCCTTGAGAAACTGAGAATCCTTGAGAAACTTGAGAAACTTAACAACATTAAACAATCAAACGATCAAACATTAAACAATCAAACATAAACAAATCAAAATTAAAAATTAAAAATTAAAATTTGAGAAATTGAAAATTTGAAAATTTGAAAATTTGAAAATTTGAAAATTTGAAAATTGAAAATTGAAAATTGAAAAAA
Phase-1 RCT-181	TATGACATEACGATTT CGCTGGGATTACCAGCOGG ACAGGACGGATGGATTTCACT TACCATTCAASTGTTTCATC GAACCACTCCACGGTGCTA GGAAGGTGGTACTTCAAGGC GGAAGGTGCTAAGCAAGGCAAG	TÄTGAGÄTGATTAGSAÄTTTAÄTÄCGAGTCAGTATAGSGGAÄTTTGGCCCTGAGGGCGAAGAÄTTGGGCAGGGCTGAACATCTAGGTGCCACGGTG TÄTGACATGAGTTAGGAGTTAGGGAGTTATAGGTGCCCTGAGGATTGGAGATTCGCCAAGAGATCCTCCATGAGCGATTAGGGTGCCGGGATTGCGTGCCAATCCTCCATGAGGAAT ACAAGGAGGAGGATGGAAGGGGGAGCTCGATGAGGGAACTGGCTTTGAGTGTAAACTATGAAGTAGAGAAGAGCGATGAGGAAA ACATTCAAATGTTTCATCGTGCAAACCTCCAAAATGCTGGTTTAGGTGTAAACATTAATTA
Phsse-1 RCT-182	TATGACATGATTA CAGCGTGCACTTACCACA GATCCGTGTGAATGCAGTA GATCCGTGTGACACATTC TATCCCACTTGGCAAGTTTC CCAGTGGATGGGGGCTTCC CTCTCTCCCCAGCCTTGTG TAGTGAGGGGTTAATTAC	TATGACATGATTACAATTTAATACGACTCACTATAGGGAATTTGGCCCTCGAGGGCAAGAATTCGGCAGGGGGGGG
Phase-1 RCI-184	TCCTATGAGATGATTAGGAGAGGAATGCTCATTAGGAATGCCATT TTCATTGAATTTCTTCACTTT ACAGTGGGATTCCCTGGTT ACAGTGGGATTCCCTGGT GGCACCCGGCGGGGGGAAC GAGGAAAACCCCGGGGGGGG	TCCTATGACATGATTACGAGTTTATAGACTCACTATAGGGGAATTTGGCCCTCGAGGCCAAGAATTCGGGCACGAGGGGATTAGTAGTTAGGTAGG
Phase-1 RCT-185	NCTATGACATGATTACGAN GATGCTGAAGANGGATG GAAAGTTCTAGGCGATT GAAGCGATTCTCGCATTA ACAGCCGTGCCGATACCA GTGTGGCGCCGAGCTT TACCCAACTTAATGGCGTTG	NCTATGACATGATTAGGATTTAATAGGACTGACTATAGGGAATTTGGCCCTCGAGGGCCAAGATTCGGCAGGGGAGTTTAAGCTCCAGGAGAGCAAGGCGAGGAGAGAGA
Phase-1 RCT-189	GOCAGGGATATGENICNGAT GOCACTTTTGEAGCGGGAA CTCTTGCTGAACATTGGTGA TCCTCAACATTGGTAA TACAAGCTTTGCTAACATTGGTAA AATTACATTCCTAACATNA GOCCAAGTAGAAAAGCGGG	GCCNGGGATATECNICNIGATTACANGATTCACTGGCGTGGTTTACAAGGTCGTGACTGGNAAANCCCTGGCGTTACCCAANTNANTNGCCTTGNTGGCCAGGATATGCTTGTTGTGGCGGGAAAAAACCTTGTGTTTTGTTTTTGCTTGC
Phase-1 RCT-191	TATGACATGATTA GANCCATGACAGGGTA AGANCCATGACCATGGCC GTGGGGGAATCCCAGAC ATCTTGCCAAGTTCANCCA AACATGAGGTATGA TTCATTGCCCAAGGTATGA AACACGGGGAACTGAGGTAT CACCGGGGAACTCAGGT	TATGACATGATTAGAATTTAATACGACTCACTATAGGGAATTTGGCCCTCGAGGCCAAGAATTCGGCCAGGGGGGGG

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Phase-1 RCT-192	CTATGACATGATTACGAATTTAATAGGACTCACTATAGGGAATTTGGCCCTCGAGGCCAAGAATTCGGCAGGAGGGTTTCGCCTTGCTGCTCGCCAAGAATTCGGCTTGCTGCTGCTGCTCGCCAATTCGGCTTGCTGCTGCTGCCGCTTGCTGCCAAGAACTACAAGCGCTGTGCTGCCGCCGCTGTTGCGCCCCTCTGCGGCGCTGTTGCCGCC	DOSCOAT DOATCTG SAGGGT GAGGAA CACOGT GGGCCGC
Phase-1 RCT-195	TATGACATGATTAĞGAATTTAATACGACTCACTATAGGGAATTTGGCCCTCGAGGCCAAGAATTCGGCACGAGGCCCCCCCGAGGATTCAT GGGGGCTCCTGGGTGGCACACAATTGACGACAATTCAGGCAATTGAGGCAGCAGCACGGCACACGGCTCGCGGGGCCCCCCAGGCCCTCCACACACCCCCCCC	SETACAT CACCAC CAGCCTG TAGTCT SCTAGCC CACCTCA
Phase-1 RCT-196	TITITITITAAAAACTGAATAATCATGTATGGTTTATTAGTACAATGATTATAACCTATAATAAACACTACTACAATAAACGTCTCCATAAACTAAGGAGTGTGGGAGTGGGAGTGGGAGTGGGAGTAACCTACTACTAAATAAA	ATATGC VACATAA TOCTGCT AGAAATC
Phase-I RCT-197	TTCTATGACATGATTACGANTTAATACGACTCACTATAGGGAATTTGGCCCTCGAAGGCCAAGAATTTCGGCACGAGGGAGG	TGTTCTA CTCAGG CCATTCG SATTCAG TTGAGCA AAATGT
Phase-1 RCT-202	CTATGACATGACATTANTAGGAATTTAATAGGGGAATTGGCCCTGGAGGGCCAGAAATTGGGCACGAGGCCTTCACCTGCCGCGCGCG	GGGCGG GACCTTT TGGGTT GAGTCT TGGGGA
Phase-1 RCT-204	CTTĂTGACATGATTAGGAGTTCACTATAGGAATTTGGCCCTCGAGGCCAGGAATTTCGCAGGCCAGGACTTCGTTGTTTGT	TTGCTAT OGTGCA CGAGATC AGCTCA OCACAAG GCAAGC ANNCCC
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Phase-1 RCT-209	TOTTGACATGATTACGAATTTAATACGACTCACTATAGGGAATTTGGCCCTCGAGGCCAAGAATTCGGCACGAGGGCCGAAGAATTGCGAAGGCCGAAGAATTAGAAGAATTGGGCACGAGGCCGAAGAATTGCCAAGCCAGAAGAATTGACCTCAAGCCAGAAGAATTGAAGATTTGAATTTAAATTTAAATTACATTAAGAATTTGACATTAACATAAGAATTTGACATTAACATAAGAATTTGACATTAACATAAGAATTTGACATTAACATAAGAATTTGACATTAACATAAGAATTTGACATTAACATAAGAATTTGACATTAACATAAGAATTTGACATAAGAATTTGACATTAAGATTTAAGATTTAACATTAACATAAGAATTTGAAATTGAAATTGAAATTGAAATTGAAATTGAAGAA
Phase-1 RCT-211	TATGACATGATTAGGAATTTATAGGAGTGAGTGATGGGGAATTTGGCCCTCGAGGCCAAGGAATTTGGGCAGGGAGGAGGGGGGGG
Phase-1 RCT-212	ATGICATTGTACTGCTTCAAGGGGGANTGGTAGGGACGGGTGTGTAATGTGGCCCTTCTTCTCAAAGGGGGATAGGGTGTCCTCTCTCAAAGGGGAATAGGGTGTCCACCTTCTTCTCAAAGGGGGATAGGGTGTCCACCTTCTCAACGGCGTCGTCATGGCGTTCCTCCACTTCTTCCAAGGATAGGCGTCTCCACTCTCCACTTCTCAATGGCGTCCTTCTCAATGGCGTCGTTGTATCAATGGTCGTTCTCAATGGCGTCGTTGTATACAAGAATAGTCTCTTCAATGGCGTCTTCAATGGCGTCGTTGTTCAAGAAAAATGGTCTCTTTGAAGAATGGTCCTCTTTGAAGAATGGTCTCTTTTGAAGAAAAAATGGTCTCTTTGAAGAAACATTCAATAGGAAACACAATTTGGGAAGAATGCTTTTGAAGAAAAAAAA
Phase-1 RCT-213	TATGACATGANTAGGAATTTAATAGGACTCACTATAGGGAATTTGGCCCTCGAGGGCGAAGAATTTGGCAGGTTTTGGCAGTTTGGAGGAATTGGAGGAAGGA
Phase-1 RCT-214	TATGAGATGATTAGGAATTTAATAGGGAATTTGGCCCTGGAGGCCAGGAATTTCGCCAGGAGGGCTTTCTTCTTGAGCTGCTTTCTGAGCCCTTTGGCCCTTTTGGCAGGGCCTTTTGGAGGGCTGCTTTTGGAGGCTTTTGGAGGCTTTTGGAGGCTTTTGGAGGCTTTTGGAGGCTTTTGGAGGCTTTTGGAGGCTTTTGGAGGCTTTTGTTTAGGAGGTTTTGTTAGGAGGGTTTTGTTTAGGAGG
Phase-1 RCT-215	ATGACATGATTAGGAATTTGGGCTATAGGGAATTGGCCCTGGAGGCCAAGAATTCGGCACGAGGGGTAATTTGGAGGTTTCCCCAAGGGTAATTTGGAGGGTTTCCCCAGGGGTAATTTGGAGGGTTTCCCCAGGGGTAATTTGGAGGGTTTCCCCAGGGGTAATTGGAGGGGTTTCCCCAGGGGTTTCCCCAGGGGTTCCCCAGTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTTTCCAGGGGGGTAACGTTTCCAGGGGGGAAATATTGGAGAGGGGAATATTAGAGAGGGGAATATTAGAGAGGGGAATATTAGAGAGGGGAATAGTGCTGAGTGCTGGGGAAGGAGGGTTTCAAGGGGGGGAAGGGTTTTCAGAGGGGGAAGGGTTTTCAGAGGGGAATTAGAGAGGGAGG

Phase-1 RCT-218	TAT	TATGACATGATTACGAATTTAATACGACTCACTATAGGGAATTTGGCCCTCGAGGCCAAGAATTCGGCACGAGGAGTTGGATGGA
	ATG	ATGCTGACCAGCTGGCACCACCACCACAGTAGTCTCTGTGACCTTCTAAATGTGCTGTTCAGTCTGCTGTCTGT
	999	CCCATCCCTTGTTTATGCCATCACTTCTGATTCCTCAGAGAGCCGGCACGGGTACAAAGTGCTCACAAGTCCTTGGTGCTGAGGGAAGTGCT
	AAA	AAAGATATAAAGGAAGTAAAGACCAAAATAGAGGGCAAGGCCCATGGCACAGAGATTGGGGTTGGCAAGAGTGGGTGG
	CAG	CAGGTGCTACTGCAACGTGTGGAGAAAGACACTTTCCAGGCCAGCTGTGTGAAACAACAACAGAAACAACAACAACAACATGAAAGGTGCTGTGAAAGAAGAAAGA
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Phase 1 BCT-219	20	<u>CTATIGACATISTI ACGAATTTAATACGACTCACTATAGGGAATTTGGCCCTCGAGGCCAAGAATTCGGCACGAGGGCTCCATCCTCAAGTGGACAAGAA</u>
	CTC	CTGTGCATCTGTCGTCGTGGGCCCAGCAGGACCTGCCCAGAGGCTCCAGAGTCAGTC
•	99	GGCAGGAATCTCCCCAAAATCCCAGTGAGGGAGGATCCAACCTGTGATCAGACTCOGGTCTTCTGACCCCTGCCTCCTACTCCTGCATCCTGTCCTGCCT
	ATC	ATCACAGACAGCCCTCCTCACACAGCCTGGTTCATCTGCCTTGTCCTCCAACAGTGCTCTTTGGGAGACAAGAGATTCAGAAGGGGGGGG
	GAC	GAGCTTGACTTCCACCTGTCCACCTGTTGGGAGTTCTGTCCAATGTGTGACCAACAATAAACCATGAAAAAAAA
	ACA	ACACATGCGGCCGCAAGCTTATTCCCTTTAGTGAGGGTTAATTTTAACCTTGGCAGTGGCCGTCGTTTTACAACGTCGTGGAAAACCCTG
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Phase-1 RCT-225	ΣT.	<u>TCCTTAGGANATGATTACGAATTTAATACGACTCACTATAGGGAATTTGGCCCTTCGAGGCCAAGNAATTCGGCACGGAGGAGAGAGTGTGTGTGCGC</u>
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	86	GARTAATTATAAAAGTACTGATGTTAATTCCTCCAGAAACACCCGAAGTGTAACCGTGATTTAAAAGCCTACATTACAAAAATCATTTTCATAGGACAT
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Tidod No. Kr.	<u> </u>	<u>CCACTCTAACTAGGGGGCGTGCTGAGAACAAGACCACCTCATTCCTGCTTTTCAGACAGGACTGTCCTGCGACGACCACCATGATCAGGGGGGACCAACCA</u>
	<u></u>	CTGTTCCTTCGCTGTATCTTACTGTCCTCGGTGACCGCCTTTCCTTCACGCACG
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Phase-1 RCT-230	TA	<u>TATGACATGATTACGAATTTAATACGACTCACTATAGGGAATTTGGCCCTCGAGGGCCAAGAATTCGGCACGAGGACGACACACAC</u>
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	W Y	AAACAACACCAAAGGAAAAATAAAACCGCTGTGTGTGTGT
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		A CONTROLL CATTORN AND CONTROL CATTORN
жээс-1 RCT-233		TAAGGATAGATGCCTATTATGCTTTAGAGATATTGAGAAGATACTATGATTTTAAGAGTACTTAAAAAGAAAAGATTATGAAAAGTATTAGAGAGTATTAGGTGTTAAGGTG GGGATAACAAATTGTGATTAGACTTCCATTAATGCTTCAAGGGCACTCATTCTTAGTGATTGTGAAGAATGAGAAAATGCGCATAGTATTAGGTG TTAAAAATGGTTAAAATGTTCAAGGATAGATAAGTATAGAGTAGTAGTTACTTAGAGTCTGAATGTGACAAGAAATGAGAAAAGAATAAGGAAGAATATGGGGTG TGGAAATGATAAAAAAAA
		AAAAATGAAGCATAGTITCGAAAGTICCTGTTACGGATGCATATTCTAAATAGTCTGGGCTTAATTTGAACTAGCAATATAGCATTATAAT AATACCACTTTTGAAGTTTACCGTAAACTTTTTTTAGTTGAAGTTTTAAGGCTTTTAATTTAAGAATGATTTAGAACTTACCCATTATAAT
Phase-1 RCT-235		CTTATEAGATEATTAGGAATTTAATAGGACTCACTATAGGGAATTTGGCCCTCGAGGCCAAGAATTCGGCAAGAGGAGGAAAAAAAA
1		CTCCAGGGTATCCAACGCTCTCTCCGCAGGTGCAACAACTAACT
Phase-1 RCT-239		TATGACATCATTACGAATTAATACGACTCATCATATAGGACTGATATAGGACTGAAGGACGAAGGACGACGAGGACGAAGGACGACGAGGACGAC
	·	CAAGAGAGTTTGAATACTGAGCCACCTTGGCTTGTGCTCTCTGAGACATCCTTATCTCTCTGAGGATATGTTGTTGAGCATGTCTAGGAGTAAAAAAAA
Phase-1 RCT-24		GITAGNITTINANATGATTACCAATITTATACCAGTTGATGCCATACGAGTTGGGCCTTCGAGGGCAAAATTCGAGGAGGTGGAGGTGGAGGTGGAGGTGGAGGTGGAGGTGGAGGTGGAGGTGGAGGTGGAGGTGGAGGTGGAGGTGGAGGTGGAGGTGGAGGTGGAGGTGGAGGTGGAGGTGGAGGTGGAGGGAGTGAGAGGTGGAGGTGGAGGTGGAGGTGGAGGGAGGTGGAGGGAGGTGGAGGGAGGTGGT
Phase-1 RCT-240		HTHTTTTTTTTTTTTTTTTTCCGAGCTGGGGAGGTGGTTGCGATGAGCTAATCCCAACCCGAGCGCTGAGCTGGGGAGGGGAGGGGAGGGGAGGGGAGGGGAGGGGGGGG
Phase-1 RCT-241		TONTINACATGATTACCACATTACACATAGGGAATTIGGCCCCTCGAGGGAATTIGGCCCCTCGAGGAGGTCGAGGGGAGGG
Phase-1 RCT-242		CATTATQLCATTACGATTTATIACGACTTACTATATAGGGAT ITGGCCCTCGAGGAGCAGGACTACAGGAGCAGCCTCTGTGATGATTACTACTATATATA

Phase-1 RCT-25	TATGACATGATTACGAATTTAATACGACTCACTATAGGGAATTTGGCCCTCGAGGCCCAAGAATTCGGCCTGGGCCTGGTGATAGCTGCACA
	AGGCTCTTTGGCACCACACTTACTTTAGTGTGCTGATTAAAGTTAAAGTTAAAATGTTTTAGTTTTTTAGTTTTTT
	TGCATTATCTTCAAACCAGGTAAAACCAAGGTGGTTGTGGAATAGTCTTTTTAAATTGCTTGTACAAAGGTTAAGGGTTAAATAAA
Phase-1 RCT-251	CONNINININININININITY COGGGGGGGGGGGGGGGGGGGGGGGGGGGGGGGGGGGG
Phase-1 RCT-252	TATGACATGATAGGAATTTAATAGGACTCACTATAGGGAATTTGGGCCAGGAGCCAAGAATTCGGCACGAGGGCCAATACTCATGGCAAGAGCCCAAGACTGATTAGGAATTTGAATAGGACTTGAGGATTTGCAGGCATTGAGGATTGGGCAATGCTTGATAGAGTGATTGAGGAATTTGCAGGAATTTGCAGGAATTTCCAGGCATTGATGAGAATTGCAGGAATTGCAGGAATTGCAGGAATTGCAGGAATTGCAGGAATTGCAGGAATTGCAGGAATTGCAGGAATTGCAGGAATTGCAGGAATTGCAGGAATTGCAGGAATTGCAGGAATTGCAGGAATTGCAGGAAGGTTTGCAGGAAGGTTTGAAGACGAGGAAGGA
Phase-1 RCT-256	TETENTIANGANTIACGANTIANTAGACTATAGGACTATAGGGANTIGGCCCTCGAGGCCACGAGANTICGGCACGAGGANTGATTAGTAGATACATATACGACTATCCCTCCTCCTCCTCCTCCTCCTCCTCCTCCTCTCTCTCT
Phsse-1 RCT-258	TINNTGACATGATTACGANTTAATACGACTCACTATAGGGGAATGGCCCTCGAGGGCAGGGGGACGAGTCAGGGAAGAATTGTATAGGAAGAATTGTATAGGAAGAATTGTATAGGAAGAA
Phase-1 RCT-259	CAAGGGCACCTCGTTGGGCTNIYGGTTGACACACACTTCTAGAGCTTGTTGTGGCTTGTGGCATTGTGGCATTGTGCATTGTGCATTGTGCATTGTGCATTGTGCATTGTGGCATTGTGGCATTGTGGCATTGTGGGCATGTGGGCATTGTGGGCATTGTGGGCATGGGCATTGGGCATTGGGCATTGGGCATTGGGCATTGGGCATTGGGCATTGGGCATTGGGCATTGGGCATTGGGCATTGGGCATTGGGGCATTGGGGTATTGGGGTATGGGCATTGGGGTATTGGGGTATGGGTATTGGGGTATGGGTATTGGGGTATGGGTATTGGGGTATGGGTATGGGTATGGGTATGGGTATGGGTATGGGTATGGGTATGGGTATGGGTATGGGTATGGGTATGGGTATGGGTATGGGTATGGGTATGGGTATGGGTATGGGTATGGGGAATGGGGAATGGGGAATGGGGAATGGGGAATGGGGAATGGGGAATGGGGAATGGGGAATGGGAATGGGGAATGGGGAATGGGGAATGGGGAATGGGGAATGGGGAATGGGGAATGGGGAATGGGAATGGAATGGGGAATGGAATGGGAATGAATGGAATGGAATGGAATGGAATGGAATGGAATGGAATGGAATGGAATGGAATGGAATGGAATGAATGAATGAATGGAATGGAATGGAATGGAATGGAATGGAATGAA
Phase-1 RCT-260	GGGGGTGAACATACAAGAAGATTGATGCACTATGAACAAAATTTTGTTGAACTGTGAATGGTGAATGGAAGTTTTGAACAGGTGAACGGTGAACAGGTTTTTGTAACAGGAGTTAATGATGAAGAGGAACCACTTCGAAATGATAAGGAACAGGTTAACGAGGAGAACTGCTTCAGATGAGTAAGACAAGGACACTGCTTCATGATGAAGAAGACACACATGATTAATGATAAGAACAGAACACACATGATTTTTTTT

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Phase-1 RCT-261	TTATGACATGATTACGAATTATATACACTCACTATAGGGAATTTGGCCCTCGAGGGCATTCGCCACGAGGGTTTTTTTT
	CTTTACAATTGTTTATTCAAAACAAACTTAAAACCTAATAAATA
	AGAAATGATGTGTGTGCCTGCGCAGTTGAAAAAAAAAAA
	TGTGTGGTTTGACTTCCAGATGTCATCACACATGGTTCACAGCAGCTGAGAGAGCACAGTGTCACACTGTGAGAAAAAAAA
Phase-1 RCT-264	CTANINCONTATGACATGATTACGAATTTAATACGACTCACTATAGGGAATTTGGCCCTCGAGGCCAGGAGATTTCGGCACGAGGCATCTCGAGCGAG
	ATANTGTATAGAAAAAGCAGAAAGTATTACCATTCCATCGAACAAGAACATGATCAACATCAACGACAACCTATAGCCCAAGACATGTGCCT GTCTGCACTCCAGGCTTACCTTGCTTACCTTGCTACAGGATGAGAGGGAGTGGCAATAAAACCAAAACAAAC
Phase-1 RCT-27	TNTATGACATGATTACGAATTTAATACGACTCACTATAGGGAATTTGGCCCTCGAGGCCCAAGAATTCGGCACGAGGACTGAAGGAAG
	GAGGTGACTAGACAGAGACCCAAAAAAAAAAAAAAAAAA
	TOTACONTOCOTACOCCANCOCCANCOCCANCOCCANCOCTACACAGGGGGGGGGGGGGGGGGGGGGGGGGGGGGGG
	GGGGCCCI GCTG GCGGCGGGGGGGGGGGGGGGGGGGGG
Phase-1 RCT-270	CTATGACATGATTACGACTCACTATAGGGAATTTGGCCCTCGAGGACGAGGAATTCGGCAAGAATTCGGCAAGAGCCCACATTCAGAATTCAG
	TETECTOGETATCTAAAATAAGAACTTCCCCTCAACATACCTGTCTATAGCTCCCCCAGGGAGGTTGTGTTTTGAAGTCTGCCTGAGCTGCTT
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	CCCTCATTACTCAACTACCTCAGTCTCACAGCTCAAGGCACACAAGCACTAGCTCTGCCTCACATCATCATCACTCTCTGTGTTATGGGCTTGGTTTATGGGCTTGGA GCAAATGCAAATGCTCAGTTTCAAAACTCAAACTTAACATCTTGCGGATCTGCGCCTTCTCTAGTGAGACTGGCCCCAATCACTAGACACTAGAGAGTTA
	NAGAGTGCTCCAGNITGGTCCCTGTACGACAGGANAGC
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Phase-1 RCT-294	TATGACATGATTACGAATTACGACTCACTATAGGGAATTTGGCCCCGAGGCCAAGAATTCGGCCAAGAATTCGGCACGAGGGGTCTATTCCTGGTG TCCTCTGGTGCAACAAGAGGAGGGTGGCCAAGAGTGCCACTTCCCGTGAAGACCATTCCTTCC

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Phase-1 RCT-296	TATGACATGATTACGAATTTAATAGGACTCACTATAGG TATGGTCACTTTATCTAAACCCATCTATCGCCAAGTT TCTGATATTCCTCCCTGAAATCTGAGAATTCAGCA	TATGACATGATTACGAATTTAATACGACTCACTATAGGGAATTTGGCCCTCCAGGGCAGGATTCGGCACGAGGATAATAATAAGAATACTGTTCTTGTTCTTC
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Phase-1 RCT-30	TCTATGACATGATTACGAATTTACTATACGAATGATGACG GGACCACCACTTGACGCCGCCAATCATACACC TTGGAGAATCACCATCAAGGCTGATGAAGA GCACGAGAATACACCATCAAGGCTGATGTTCAGTTA GCCTGCAGCAGCAGCATGAGGCTGATGTCAGTTAG TGCATGTCCTGAAGGAGATATGACGTATCACGACTTAGA	TCFRIGACATTACCAATTTATACAACTCACTACACTACACCACACCAC
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Phase-1 RCT-32	TCTATGACATTACCACTTTAATACGACTCACTAATACTAATACTAATACTAATACTAGTGA CCCACTCACAACTTCATTTCCCCAGGAAGGGGGTTA AACTCCTTCACATCTTAATTTCCCCAGGAAGGGGGTTA GACAGCCCTGCCCT	TCTATGACATGATTACGAATTAATRICGACTACTATGGGGAAGGAAGGAGGGAGGAAGAATTCGGGGATTCATGTAGGATTAAAGGAAGTTTTGACGAATTTGACGAATTAATRICGACGACTACTAAGGAAGTTTTGACGAAGTAAATTGGGGAAGGAA
Phase-1 RCT-33	TTCCNAGGCATGATTACCAATTAATACGACTACTATACACTA AAGTGGGAAACCCTGTGTACCTTCTGAGCTATCTTTGAGCTGTGAA ACACCGCTGGAAATCGTTCTTCGGCCTATCTTTGAGCACGGAAATACGGCGTATCTTTGAGCACGGAAATACGGTCTGGCGAATTTTGGCAATTACGGTCTGGCGAATTTTCTTTTTGTATTTCGGTTCACTTGCCAAGACACTGCTAGCTA	TTCDNAGGCATGATTACCAATTATACCACTCACTATAGGGATTTGGCCCTCGAGGCCCAAGAATTCGGCAGGAATAGCAAGAAATCCAAGAAATCCAAGAAATCCAAGAAATCCAAGAGAAAAACTCAAGAGAGAAACCGGGGAGAACCGTGTGAAAAAAAA

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Phase-1 RCT-49	TTATCCATGATTAGGAATTTAATAGGGAATTTGGGCCTCGAGGGCAAGAATTGGGCACGAGGGCTGAGGGGTGAGGGTGACGTGTTGCTGGTTACAATTGGAATTTGCATTGGAATTGGAATTGGAATTGGAATTGGAATTGGAATTGGAATTGGAATTGGAATTGGAATTGGAATTGGAATTAATTGAATTGAATTGAATTGAATTGAATTGAATTGAATTGAATTGAATTGAATTGAATTGAATTAATTGAATTGAATTGAATTGAATTGAATTGAATTGAATTGAATTTAATTGAATTTGAATTTGAATTTAATTGAATTGAATTTGAATTTGAATTTGAATTTGAATTGAATTGAATTTAATTGAATTTAATTGAATTGAATTGAATTTGAATTGAATTGAATTGAATTGAATTGAATTGAATTGAATTGAATTGAATTGAATTGAATTTAATTGAATTTAATTGAATTGAATTGAATTGAATTTAATTGAATTGAATTGAATTGAATTGAATTGAATTGAATTGAATTGAATTTAATTGAATTGAATTGAATTGAATTGAATTGAATTGAATTGAATTGAATTGAATTGAATTAATTAATTGAATTGAATTGAATTGAATTGAATTGAATTGAATTGAATTGAATTAATTAATTGAATTGAATTGAATTGAATTGAATTGAATTGAATTGAATTGAATTAATTAATTAATTAAAA
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Phase-1 RCT-61	GACATGATTACGAATTTAATACGACTCAAGGAATTTGGCCCGGAAGACTACGACGAAGAATTGGCCCCGAAGAATTCGTGATTATCCAGATCACTATTTATCACTACTATTTTCACTCAC
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Phase-1 RCT-77	TTANAGTIGETCACTTGCTGTCTGTCTGTCTGGGGGCATGCAGGTGACCTTTGCCTCAGGCTTCCTGGTTTTCCGGAGCTTCCCGAGTTTTCCGGAGCTTCCCGAGTTTTTCAGGAGCTTCCCGAGTTTTTANAGTGCGTCACTTTGCTGAGTTTTGCGAGCTTCCGAGTTTTTANAGTGCTCCACTTTGAGCTTTCAGTTTTGAGCTTTCAGTTTGAGCTTTTGAGCTTTCAGTTCAGTTGAGCTTCAAGTGCAGGCGAGCGA

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Dhose 4 DCT 84	TTATGACATGATTAGGAATTTAATAGGACTCACTATAGGGAATTTGGCCTCGAGGCCAAGAATTCGGCACGAGGGCAGTTTGATGCTTCGCCG
Pigse-i No	TAGAGCAGTAGTTCTCCTACGTGTGGGCOGTGACCCTTTGGGAGCCACACCTCAGATACCTTACATTCATAACGGTACAAATTGTTAGTTA
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Phase-1 RCT-88	TTATGACATGATTACGAATTTAATACGACTCACTATAGGGGAATTTGGGCCACGAGGACTGGGGGGGG
Phase-1 RCT-89	TIATGACATGATTACGAATTTAATACGACTCACTATAGGGAATTTGGCCCTCGAGGCCAAGAATTCGGCAGGGGTGTGTTCCTCTGAAATTCTGAACTTTTGAGGAATTTGAGGACTTTTGAGGAATTGGGAATTTGAGGAATTTGAGGAATTTGAGGAATTTGAGGAATTTGAGGAATTTGAGGAATTTGAGGAATTTGAGGAATTTGAGGAATTGAGATTTGAATTGAGTTGAATTTGAGTTAATTGAGTGAATTATATGAGTGAATTGAGAGAAGA
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Phase-1 RCT-80	TATGACATGATTACGAATTAATACGACTAATGACTATGACCTCGAAGGCCACGAGAATTCGGCCACAAGAATTCGGCACAAGAATTCGGTCCGTTCGGTTCGGTTCGTTC
Phase-1 RCT-01	TCTATGACATGATTACGAATTAATAGGAATTAGTGAATAGGGAATGAGTGAG
Phase-1 RCT-62	TATGACATGATTACGAATTAATACGACTACTATAGGGGAATTTGGAAGGCCTGGAGGCCAGAATTGGGACGGGGATTTTGGAAGATTTGAAGAGGGAATTTTGTACCGGGGAATTTTGGAAGAGTTGGAAGAGTTGGAAGAGTTGAAGAGTTGAAGAGAATTTGGAAGAGAATTTGGAAGAGAATTTAGGAGG
Phase-1 RCT-84	TICIATIGACATGATTIACIAATTIAATIAGGAATTIAATIAGGAATTIAGGAATTIGAGGAATTICGAGGAATTIAAGAATTIAAGAAATTIAATIAGGAATTIAATIAGGAATTIAGGAGGAATTIAGGAGGAAGAAAAATTIATIATIAGAAGAAAAAAATTIAGGAGGAAGAAAAAAATTIAGGAAGAAAAAAAA
Phase-1 RCT-85	INCTCTTGCTATTCTAAGGCCGAWAGCCGGNGGCTTCTAGTAATTACTCATATTTAACTCCTATTGTTAACAGGAAAGAGTTAAAAAAAA

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Phase-1 RCT-96		TITITITITITITITITITITIGATAAACAAGTTTAATTTCCAAACCAGGGTCACAGCCATTGCATTATCCCACTTTTGAGCAAGGATAGAGAGGCA AGTIATTAAACACGTACAGTCTACATTCCAGAGAACAAAAAAAA
Phase-1 RC1-38		TATGACATGATTAATACGACTTAATAGGGGATTTAGGGGATTTGGGCCAAGAATTCGGCACGAGGGGGGCGCCCCGGGTCTTGCAGGCCCCCCAGGGGGGCCCCCCCC
Phosphatdyleithanolanrine-binding protein	NM_017236	TATGACATGATTACGAATTTAATACGACTCACTATAGGGGAATTTGGCCCTCGAGGGCCAAGAATTCGGCACGAGGGTGAAGTGGGGGGGG
Phospholipase D	D86 6 72	TATGACATGATTAGGAATTTAATAGGACTCACTATAGGGGATTTGGGCCTCGAGGGCCAAGAATTCGGCAGGGGGGCCTTGTTGCCCTCCACTGGGGGAAGAAGAGGGGTCCTTGTTGCCCTCCACTGGGGGAAGAAGAGGGGTCCTTAGAAGTGCCACACTCGGGGGAATAGCCAAAGAGGGATCATTAGAAGAGGAATTCAGAGGAATTCTAGAAGAGATTCTAGAAGAGATTCTAGAAGAGAATCACAGAGGAATTCAGAAGAGAAGAAGAAGAAGAAGAAGAAGAAGAAGAAGAA
Pdy(ADP-ribose) polymerase	U94340	GTTATTTAGGTGNICACTATAGAATACTCAAGTTATGCATGGGTGGGGTGGGG
Preproalbumin, sequence 2	V01222	NITATCACIATRACIANTANTACORACTICACTIATAGGANTTTGGCCCTCGAGGCCAAGAATTCGGCGCGGGGGGGGGG
Prosentin-1	595290	GOSANTIGGGCCCTCTAGATGCATGCTGGAGCGGCCCGGTGTGATTGTGCAGAATTCGCCCTTATGGGGGGTCCAAGGAGGACCCAGAA GCCCAAGGAGGGTACCAAAACCCCAAGTATAACACACAAGAGAACAGAGAGAAGAGAACAGGGAACATGGCATGGAGTGGGAGTGTGGGATGTGG GCTCAGTGAGAGGGTGGGAGGCCCAAGAGACACGTCACCCGGGGCCTCATGCTCCACCTCCTGGTCACTGGCATGTGCACTGTGGAGTTGGGGGGGG

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Prostaglandin H synthase	U18060	TGCGAATTGGGCCCTCTAGATGCATGCTCGAGCGGCCGCAGTGTGATAGTGCAGAATTCGCGAGATTCGCGGGGATCCGTGGACTAGGGTGTCGCGGGGATCCGTGGACTAGGGTGTCGCGGGGATTCGCGGGGATGCGCGGGGATGCGCGGGGAGTGCGCGGGGAGGGGGGGG
Proteasome activator 28 stpha	D45249	GAATOGGCCTTGRANTGCATGCATGCAGCAGCCCCAGTGTAATGCATATTCTGCAGAATTCCCCCTTGGGGACGAAGACCAAGACAAATGCTGCTTGGGGACGAAGACAAATGCTGGTTACTGGACAAAGACAATTCAACCTGGTTACTGCAACCTGGTTACTGACCTGGTTACTGCTGGACGAAGTCTGGTTACTGCAGCCTGGTTACTACCAGACGATTACTGCTGGACGAACTCAACCTGGTTACTACCAGACGATTACTGCAGAAGACGTTCATACTGCAGAAAGAGTTTTTGGCGTGGCCGAAAGACGAAAGACTGATGAGACGCTCAATGCAGACTTCAAGACTTCAAGAGATTCTCCAAGAGAGACGTGATGCCGTGATGCCGAAAGACGCCAAGCAGACTCATGCAGAAGACGTGATTACTGCAGAAGACGCAAGCAGCAAGCA
Protein O-mannos/transferase 1 (Pomt1)	NBA_053408	TATGACATGATTACGANTTTATACGACTATAGGGGAATTGGGGACTCGAGGCCCAGAAT LOGGACAGGATTGCCAATTACGAATTTATAGACAGTTCATTAATACGACTTCATGGGGAATTCCGAGGGCCTCGAGGCCCCGGGAGTCCCAGGAGTCCCAGGGAATCCAATTCAGAGCCCCGCGCGGGACCAGTGCCCAGGGAATCCAATTCCAGGAACCCCGTGAGGCCCGCGGGAGCCAGGGAATCCAATTCCTGGGAACCAGGGAATCCAGGGAACCCGGGAGGCAATCCATGTGTGTCTCTGGGTACCTGGGATGCCGGGGCGCGCGGGGAGCACGGGAATCCAATTCATGTGAGAGAGCTGTTTGAGGTGCCGGAGGAATGAGCACGTGTTTGAGGTGCCGGGAGGAATGAGCACGTGTTTGAGGTGCCGAGGAGTGTTGAAGTCCTAAGAGCACTGTTTGAGGTGCCAGGAGGAGGAGACCCACACTAAGAGCACTGTTTGAGGTGCCAGGAGGAGGAGAGACCACACTAAGAGCACTGATTGAGGAGGAGGAGGAGGAGAATGAGAGACACTAATTGAGGTGCCAGGAGGAGAGAATGAGAGAATGAGAGAATGAGAGAATGAGAGAATGAGAGAATGAGAGAATGAGAGAATGAGAGAATGAGAATGAGAGAATGAGAGAATGAGAATGAGAATGAGAGAATGAGAATGAGAATGAGAATGAGAATGAGAATGAGAATGAGAATGAGAATGAGAATGAGAATGAGAATGAGAATGAGAATGAGAATGAAAATCCAAAAAATCCAAAAAATGAAAAATGAAAAAATGAAAAAATGAAAAAATGAAAAAA
Protein tyrosine phosphatase alpha	L01702	GCTATECATCAACTIGGTCCGAGCTCGGATCACTAGTAACGGCCGCCGGTGTGCTGGAATTTGGCCCTTATCAGGAGGTCTCTGAAATTGGCCGCAATTGGCGCGCGC
PTEVMMACI	AF017185	GCGAATTGGGCCCTCTAGATGCATGCTGGAGGGGCCGCAGTGTGATGCATATCTGCAGAATTCGCCCTTATCGCGGGATCCCTATTCCANFOTTCA GTGGCGGAACTTGCAATCCCCAGTTGTGTGGTGGAGAGATATGTACTCTCTCCAACACTCAGGACGCGGGGGGGG
Pynvate kinase, muscle	M24361	Intracatrantactracactivatoria regeant incarcata and incarcacted control and incarcacted in the control and incarcacted and inc

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Retinoid X receptor alpha	<u> </u>	GCGANTIGGGCCENTANTIGGTGCTCGGGGGGGCGCGCGGATGGATATUTCGGGGGAGGTGGAAGCTGGAAGCGGAGTGCTGTTCTCCCACC GGGAATTGGGCCTGAAGCTGCTCGGACCACCACGACCACGGGGGGGG
Retinal-binding protein (RBP)	AA858962	TATGACATGATTACSAATTTAATAGGACTCACTATAGGGAATTTGGCCCTGGAGGCCAAGAATTTGGGCACGAGGGCGTTTCTGGGGCTGTGGTATGCCAAGAAAAAGGGTCACTTGTGGGGCTGTGGGAGGTCGTGTGAGGCGCTACAGGGAAGGGTCACAGGAAAAGGGTCACAGGAAAGGGTCACAGGAAAGGGTCACAGGAAGGGAAGGGAAGGGAAGGGAAGGGAAGGGAAGGGGAAGGGG
Ribosomal protein L13	NM_031101	TATGACATGACGAATTACGAATTTATAGGAGTTACTATAAGGAGTTACCAGAGGAGGAGGAGAGATTCAAGAGGAGGGGGGGG
Ribosomal protein L13A	X68282	GGGAATTGCCCCTCTAGATGCATGCATGCCCCCACAGGTGTGAACATTTCTGCAAATTTCTCAGAAGAAGAAGTAAGT
Ribosomal protein S17	NM_017152	TICTATIGACITANT TATA NACIONAL LA LITAGASSANTI DESCUENCIATO CAGA AGRICA CONTRACTA TOTA AGRACA CONTRACTA TOTA TATA NACIONAL CAGA TOTA AGRACA TOTA AGRACA TOTA AGRACA TOTA AGRACA AGRACA AGRACA TOTA AGRACA AGRA
Ribosomal protein S8	NM_031706	TCTATGACATGACATTATACAATTITATIAGAACI LAKU AINAGAANTI DEGGCOCOCOCOCAAGACCGGGGGGGAAACCCTACCACAGAGGGGAAGT TCTATGACACGGCCGAGCGATGGGCATCTCTCGGGACAACTGGCACAGAGCGCGCAAGACCGGGGGGGG

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Ribosomal protein 69	TCAAGCTATGCATCAAGTTTGGTACC CGAGCTCGGATCACTAGTAACGGCCG	TONGCTATGCATCAAGTTTGGTACC CTGGGGGGGCCCCCCATAAGGACAAGGGAAGTCAATGTTGTTTGGAAAGTCTAAAGACTTGAAGACTTGAAGACTTGAAGACTGGGTCTGCAAGCTTTTAAGACTTGGAAGACTTGAAGACTTGAAAGACTTGAAAGACTTGAAAGACTTGAAGACTTGAAGAAGACTTGAAGAAGAAGAAGAAGAAGAAGAAGAAGAAGAAGAAGA
	CCAGTGTGGAATTCGCCCTTCGC GGAATTCTATGTGACCCCACGGAGAC	CCRAISAATULIUMIU I UNGOCOGAGATICOTTOGAGGGTCAAAAGGCTCCCGGGCACTTACGAATCTTCGCCAGGGTAATTTGACCCTCCACACUI COTTCAAAGAGGCCGAAGGTCCTTCTCGTCCAGGTCAACAGGTCGGTC
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	GGGTCAAATTTACCCTGGCGAAGATT	
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Sarcoplasmic reticulum calcium	X15635	IGGAATAGGCCCNCNNGATGATGCTCGAGCGCCTCTGCATGACTGGCGAAAAAAAA
ATPase		GGAAATGTGTATTACAAGTGGGGTTTAGCTGTTGAGTGTTGAGTGTAGTACAAATAAAAAAAGTGTGAGAAATTGTTGTGGAAAATGTTGT
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		TTTAAAATTTTTATGCCACAAACCATTTCATCCAAATCAGATTTTAAAATTTTTATGCCACACAAACCATTTCAAATTTTTATGCCACAAACCATTTCATGCAAATCAGATTTTAAAATTTTTTATGCCACAAAACAAAACAGAAATTTTAAAAATTTTTAAAAAAAA
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Senescence marker protein-30	X69021	and in the control of
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Sodium/bile acid cotransporter	M77478	AGGGGGGATIBAGIGATTICACAGGGAAAQAGTATIGACAGGAAAQAGGTATTAGGCCAAGCTATTAGGTGAAGCTATAGAATTCAAGTATAGATTATAGATTAGATTAG AATTGTTGAGGGGATAACAATTTCACAGGAAAQAGGTATGACAGGTATTAGGCCAAGCTATTAGGTGAAACAATTAGAAACAATTAGAGGTAGAAAAAAGAATTAGAAGGAAAAAAGAATTAGAAGGAAAAAA
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odium/glucose odransporter 1	D16101	AATTGGGGCCTCTAAATGATGATGATGATGATGATGATGATGATGATGATGA
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Stathmin	NM_017166	TCTATGACATICATACGAMITAGGAMITAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGG
10. A description lives	Inoges	TATGACATGATTACGAATTTAATACGACTCACTATAGGGGAATTTGTTTT
Steayt-Cox desaurase, iiver	GOZZO	ACCCTGAAACTCTCACTCTGGGCGAGTCCTGATAAAACAGGCTCCTAATACTGACCTACTCACGGGGCAGTTTTTAAGTCTTCACATTGCTTTTCACATTGCTTTTCACATTGCTTTTCACATTGCTTTCACATTGCTTTTCACATTGCTTTTCACATTGCTTTTCACATTGCTTTCACATTGCTTTTCACATTGCTTTTCACAGTTTTCACAGTTATTCACACTTATTTCACACCTTTTTTATTGCACCAAAGCCTAATTGCATTTTCACACCTATTTTCAACCAAATTGCACCTTAATTGCATTTTTATTTTTTTT
	AD000048	GCGAATTGGGCCTCTAGATGCATGCTCGAGCGGCCGCCAGTGTGATGGATAICIGCAAAAIIICGCCAGTTGGGCCTCTAAAAAAAAAA
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Superoxide dismutase Min	Y00497	TINTIGAATTGGGCCCTGTAATGGATGGCGGCGCGCGCGAGTGTGTGAATATCLISANAATTGCGTGCACCAGAGCACCAGGGGGCGCGCGCGCGCGC
Syndecan-1	W81785	GNGAATTGGCCCTCTAGATGCATGCAGCGGCCGCCGATGTGGATTCTGCAGAATTGGCGTAGTGGTGAGTAGTGGGTAGTGGGTAGTGGGTGG
Thioredoxin-1 (Trx1)	X14878	gnonasaangutatagaagtagataatatagaaagganeatusaluusuugusiineaana taysessa saasaangutaasaataagaaggaagaagaagaagaaga ggattinaapinitigaagaggunooducoagagaataagnoasacaatagaagaagaagaagaagaagaagaagaagaagaaagagaagaaagag
Trymidylata synthase	L12138	TIGGGGGATTGGGCCCTCTAANTGCANGCCTGAACGAGGGGGGGGGG
Trymosin beta-10	M17698 .,	NITGIGGGATTGITGGGGGTGGGGTGGGTTGGTAGCGCGGGGGGGGGG
Tissue factor pathway inhibitor	D1092 0	GAATTGGGCCCTCTAGATGCATGCATGCATGCATGCATGGACGGCGCGCTTTTTATAGAAGTGATGCAAAGAATTCAGATTCAGGTGGCCGTTTCCAGGTGCCTTTGGACGATGCAGTTCAGGTGGCCGTTGCCTTTGGACGATGCAGTTCAGGTGCGGCGGTTGCCTTTGGACGATGCAGATCAGGACGAGGACATTCAGGTGCAGGACGATGCAGCAGCAGCAACAACTTTGAGACGTTGGAGGAACGTTGAGGAACGACGAACAACTTTGAGACGTTGAGGAACGTTGAGGAACGACGAACAACTTTGAGAACAACAACTTTGAGAACATTGAGAACAACATTGAGAACATTAGAACAACATTGAGAACATTAGAACAAGGCGTTGATTCAGTACAAAGGCGCTTCAAAGACGTTCAATGAAAACAAAACAAGATTGCAAAAAAACAAAAAAAA
Tissue inhibitor of metalloproteinases- U06179	- <u>U</u> 06179	CCARGIGITIGAATICGCUI I AUCUCAGA SATUCATO DE 1930 DE 19

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lssue plasminogen activator	AA924878	TITCCHCCHCHTAAANGGAAAANANNTNINGGCCCGGNCCCCANTICAATGANTGANTININTINGGCCCGANGGCCCCGNCCCCCANTICAATGANTINGGCCCCGANGCCCCCANTICAATGANTCAATGANTCAATGANTCAATGANTATAAATGANTCAATGANTATAAATGANTCAAGTATAAAATGANTCAATGANTCAAGTATAAAATGANTCAACTGAAGAATATAAAATGAAAAAAAAAA
Transitional endoplasmic reticulum ATPase	A069875	CNCAAAANNIANAANTITNGGAAAACCAGAGGTI TITNTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTT
Transthyrelin	X14878	Triggtismicactatragatacticalgertariscatioaestoriscandicacting and according the service of
Trypiophan hydroxylase	X53501	GANNGGECCCTTAGATGCATGGTGGAGGGGGGGGGGGGTGTGTAACAAGTGTGAGAAGTTGGGGAGCAATGAGAGGGAAAAGTTTGT GANNGGGCCCTTAGATGCATGGTGGAGGGGGGGGGGGGGG
Tyrosine aminotransferase	M18340	NCTCAACTTATGCATCAGNTRICTACCAGTGGGGGGGGGGGGGGGGGGGGGGGGGGGGGGG
Ublquitin confugating enzyme (RAD 6 M62388) hamdogue)	M62388	TTGNGATTGGGCCCTCTAGATGGATGGATGGAGGGCCGCCATGTGATGGATG
UDP-gucuronosyltarskerase	Y00156	ANNINININININTRATAGABATI TACABATI TATABAGATA TATABAGATA ANNINININININININININININININININININI

Jnooupiing protein 2	AB008613	NGGGGAÁTTGGGCCCTCTAGATGCATGCATGGAGCGCCCAGTGTGATGGATATCTGCAGAATTCGCCCTTCGCGGAATTCTGCAGGAGCACCA CAGGTGTCCCCTGCCTGTGGCCCAACCTACAAGATGGGTAACACTTCAAGAGCGCACCTTCCCAATGTTGCCAAGATGCCAAGAATGCCAAGAATGCCAAGAATGCCAAGAATGCCAATGTTGTC AACTTGTACTGAGCTGGTGACCTATGACCTCATCAAGGAAAGATACTCTGCAAACCTTCGCAAACCTTCCCAATGTTGCCCAATTGTCCCCAATTGTTGTC AACTTGTACTGAGCTGGTGACCTATGACCTCATCAAGATACTCTCTGAAAGCCAACCTTCATGAGAACGACCTTCCCAATGTTGCCATTCTCCCATTGCCTTTGCCATTCTCCCCATTCTCTCCCATTCTCTCCCATTCTCTCCCCATTCTCTCCTC
Jrinary protein 2 precursor	AF198441	CTATGACATGATTACGAATTAATACGACTCACTATAGGGAATTTGGCCCTCGAAGGCCAAGAATTCGCCACGAGGGTTTGAAGATCAATCTCACTGCA ATGGGAAAGGCTATCTTGCTCCTCCCCCCCACGGGCCTTGATTTGCCTGATGAGCTCCACTGAGGTTGAAGGCTTTGAAGGCTCGATTCTAC ATGGGAAAGGCTATTGTCGGTTTAGTCGAGTTAATTATTGATTATTGTCTTGAGTTGTGAGTTGAAGTTGAAGAGTTGTACGAGTGAAAGTTTATCACAGAGAGTTGTAGAAGTTATTGTATTGAGAATTGTATTGAGAAGTTGTAGAAGA
/acuole membrane protein 1	AF411216	TATGACATGATTACGAATTTAATACGACTCACTATAGGGGATTTGGCCCTCGAGGCCAAGAATTCGGCACGAGGAATTATATTGTTTATTGCCACCTGAAGAGTTTTTATTGCCACCTGAAGAGTTTTTATTGCAAGGGAAATTAGGGGAAATTAGAAGAGTCCCTGAATTAGGAAGAATTTTAAAACATTTCAAGGAAAGAAGTTGCTCAACCTGAATTTTTAAAACATAGGAAGGA
Vascular endothellal growth factor	AF002644	GCGAATTGGCCCTCTAGATGCATGCAGCGGCGCCAGTGTGATGCGTATTCTGCAGAATTCGCCCGCATTGTCGCGGGATCCAGAGATGAGCTTCCT GCAGATTAGCAGATGTGTAATTCCAGACCCAAAGAACAAGCCAGAAAATCAGTGTGAGCCTTGTTCAGGGGGGAGAAAGCATTTGTTTG
98	D65100	TCCTCATGACATGATTAACGACTCACTATAGGGGATTTGGCCCTCGAGGCCAGGATTCGGCACGACGTGGATTTGTGAAGAMGTG AATGTTTACGGTGTGCACGGTCACGAGTCATGAAGGAAGATTCGACGACGACGACGACGAGTTCATTGAAGAAGTG AATGTTTACGGTGTGCACGGGTCACGGGGCTTCGAAGGTGCACTCGACGAAGAAACAAGAACACGAGAACATGAAGAACACCGCAA TTCAGCAACCTCGGAAGAGGGCTTTAACCCCTCAGTCATCAAGATACAAGATTACAAGAACACAGAAAAACACACGAAACACGCAAAACACGCAAAACACACGAAACACACACTTTAACACGACACATTAACACGAAACACACATAGGCCTTAACATGACCATTAATTA
Vesicular monoamine transporter (VMAT)	£09903	TGATTACCCCCAGGTATTTAGGTGCCTATTAGATACTCAAGCTATGCATCAAGCTTGGTACCGAGCTCGGATCCACTAGTACGGCCGCCGGGTGT GCTGGAATTGCCCCTATTAGGGTGCCGGGAGAGGAGA
VL30 element	M81235	TCTTRATGACATGACHATTAATACAACTAATGAGGAATTTGGCCCTCGAGGCCAAGAATTCGGAGGGGTTTTTTTT

Control defended by the control of	NM 031354	<u>CTATGACATGATTACGAATTTAATACGACTCACTATAGGGAATTTGGCCCTCGAGGCCAAGAATTCGGCACGAGGGCTCCTTCACTTGGCCCTCGAGGATTGGGCACGACGACTCCTCCTCACTTGGCCCTCGAGGATTGGGCCAAGAGTTTAATACGAATTGGCCCTCGAGGCCCAAGAATTCGGCACGAGGGCTCCTTCGCCCTCGAGGATTGGGCCAAGAATTGAAGAATTGAAGAATTGAATTGAAGAATTGAAGAA</u>
(Vdac2)		CCGCGGTGGCTGCAGCGCAACTTCCAGATTAGCGGAGTGGCCTCAGCTGCGAGCGGAGTGGTGGTGGTGGTGGCAACACCACCAGAACACACAC
Wafr	U24174	NGCCACTATAGANTACTCAAGCTATGCATCAAGTTTGGTACCGAAGTCGACTAATAACGGCCGCCGCGCGAATTTAGATATGCAGTAACGCCGCGCGGAATTAGAATTTCGCCCCGTTAAGATTTAGAATTACGATCCCGTTCAAGTAACATTAGACTCGGGGGGGG
Tine Suran sandain	AF001417	AGGIGIGNAATGACCGAGGAACTCGAGATTTGTTGAATTGACTAGACTTCACCAATGGGGGTCAGAGGTAAACTTTGGTCGTGGGCGAAAGTTCNTC
מוא וויפון איני מייני איני איני איני איני איני אינ		cgaactototgaagattogctgatgatgattgaggttgaggctattgctgtgtgatatatat
		GTATTAAATTCGTAATCATGTCATANNING

					}									
Table 28. Expression Data for 6 Hour Timepoint (1)				П	П	П	П	П	П	0.00	1040	ADAD 250	ADAP SOON	APAP 1000
	ANIT 15			_		5FU 13 5	S-FU 50	5-FU 50	4673	12	222	72	т.	2132
	1641	1642	1643	1921	1922	1823	1931	13.5				1	1	/es-nect
Liver Toxicity Inflammation Classification (4)	2	2	2						_	-				
Gene Name (3)	1 2149298	12517433	0.84915197	1.624805	0.90306467	0.8451559	1,0900192	0.976455	0.8919143	0.93296343	1,0453888	1.0790439	8.173368	7.3543024
Godd 53	0.7185743	0.93360734	0.89289875	0.98515403	1.0788563	1,0081168	1,0519096	1.1473383	1.2465649	1.172/681	1.5330233	14899616	3 5945058	3 6551895
Come	1.5147784	1,0234506	1.1666878	1.0753578	1.0139033	0.9300892	1.4131157	1.1585134	1.0761367 4 DOEM306	1 1890271	1.1305571	1.1935561	3,8341168	2.9738483
NIPK	1.1653209	13313817	1.0859097	1.1618098	0/6/20/0	0.94(36)	0 95910275	1.916148	0.98383284	1.0476373	10222765	0.8983985	2.2613728	2,3919814
Calhepsin L, sequence 2	4 0000000	0,734725	0.0310332	1 2285812	12633	1.0781766	1,0228149	2.1180346	1.4203475	1.6522803	1.3570095	1.1400157	14.160956	13.905331
Hame oxygenase	1 0254289	705908960	1.0601807	0.82013327	0.8571022	0.8348381	0.9887829	1.1498079	0,98945767	1.129926	1.1585151	1.1811211	1.103818	1292/822
Mase-1 KC1-109	4 100/BDS	0 99692595	0.9293039	0.9752861	1.1564078	1.0602443	1.2281867	1.1411524	1.2150882	1.2539277	0.9835824	1.1830584	19101201	2 7024130
Phase-1 KC1-111	1 2056043	1.3548754	1,1052656	1,1163688	1.312659	0,92639107	1.3412305	12550868	1.0607688	1.3230845	12691153	1330161	23001430	700007
Angininosuccinate lyase	0 9388551	0.8556753	0.9121408	0.93723226	1.0272744	0,91918546	0.8971369	1.0485382	0.9487124	0.68724284	0.7849807	1,000113674	07/28/28/0	1 1 1 1 2 2 2 4
UNA poymerase bera	1,1041718	0.9749814	0.9187694	0.9618264	1.1312801	1.0708319	1.0955011	1.1070962	1.1696253	1.1784744	0.9215163	1,15821/9	21/2020	00137507
Phase-I Kuralus	1.2288339	0.9065596	1.1548477	0.97367936	1.0125843	0.85786274	1.1550902	10211258	0.98091185	0.84168054	1,024,9226	1 4245450	27873	1 2013245
Phase-1 RCT-114	1,035299	1.1372324	1.1343927	1.097754	1.0130057	1.0401065	1.0474908	1.10819	1.14.3003	1 1832841	1 1794859	1 340549	1,7863208	1.7628686
Phase-(RCT-15	1.015028	0.87750723	0.95797503	1.3613387	1.1846255	1,0333164	1.3/39321	174298B2	1.1827828	1.1425744	12556816	1.1854746	1.7635239	1.9319863
Macrophage Inflammatory protein-2 alpha	1.00	0.95626.0	0000000	1,04 10/4	1.112899	The second	-							
NGF-Inducible ann-brokledaive publive secretes	0 8853699	0.94571984	0.95802593	1,3307024	1.073774	0.98256046	0.956658	1.114923	0.9335354	0.7367932	0.81529623	0.6968537	4.665477	3.1/65830
protein (PLS)	1,5623732	1,5832005	1,4778367	1.1767178	1.0854915	0.8812969	1,3180021	12372471	1.099133	1.1623797	1.12/2/92	1 3901147	4 424583	4 2644404
Organ Office	0.91342384	0.93300843	0.9034064	1.250291	0.9578385	0.9017438	0.9398071	1.4257574	1.180/338	1.061039/	0.001	100000 V	0 78414156	O REAGRAGE
Tassel Reise	0.9956842	0.9862801	1.0223753	1,0206589	1.0476433	0.9937955	0.9734661	0.99004513	1.0027322	0.745/23	0.62778	4 9263707	4 001704	132056
Prese-1 RCT.108	1,1611285	1,0656418	1.0738029	0.97412986	1.1111871	1.0409532	1.1160104	1.1134493	1.1800501	0.65044875	0.64376035	0.8458119	0 61100735	0.39040983
Passe-1 RCT-56	0.9108834	0.91295314	0.9330764	0.62710886	12139223	0.9005859	0.8563/38	0.9051038	1.1243130	0.0000100	1 0763843	0 85944486	0.89472604	0.97311354
Phase-1 RCT-192	1,012028.	0.89440936	1.0274942	0.8731413	0.9275287	0.9309182	1,0336348	1.0270704	4 0023076	1015826	1 0514078	0.96286017	1,025/853	0.98351973
Phase-1 RCT.75	1.3928976	0.9574019	1,4720993	0.89463726	1.104/131	0.034703	10/06/11	0 9494974	0 905874	0.89819765	0.89907426	0.9753878	0.84679496	0.97217804
Acetyl-CoA Carboxylase	1238787	1.1087221	1.0561755	1.03385/2	4 08346/4/4	10283681	1.1074026	1.0729287	1.1134826	1.2640688	0.99045335	1 222 8397	1,0615588	1.183725
Phase-1 RCT-85	1,030011	748842	0 9648181	0 95453435	1 1749218	1,1224405	0.8313363	1,2859528	1.408676	1.073338	1.1799178	0.8564941	0.86875385	0.9170962
Cystath C	000000	n 978838	0.9558389	0.9237543	0,9660717	0.9643093	0.9078089	1.2817576	1,0872744	12430588	1.1278608	0.99200094	1.4747499	1,003,0012
Prason Kul-48	0.7835876	1.341155	0.9661726	0.65008634	1.0388534	0.8604139	0.92390306	0.63148254	1,0363787	0.8933743	1.0163381	0.76914775	44 5/04/40	40 52845
CONTACT OF THE CONTAC	0,863476	0.7835796	1.2540026	1.2413412	0.8108042	0.8448618	0.8928306	1.1119313	1,3372039	25.52	1.410000	1. 1007400 4 1815087	0.09515403	11218158
Phase-1 RCT-156	1,026492	0.9991962	0.9547196	0.94124514	1.0596406	1,0228381	1,1314864	1.0194//1	87979790	0 8947888	0 8535968	0 69892776	0.9750005	0,96605873
Coffin	0.9732259	1.0063156	1.168209	0.9330846	1.1320907	0.882301	0.90003303	4 4556537	1 0735358	1 1043243	13398445	1.1428993	2.67086	2,4201894
Phase-1 RCT-127	0.976020	0.978448	0.920174	0.9351027	4 0375714	0 94267046	1 3448964	1.1044588	1,0287099	12771738	1.4294727	1.3512194	1,2765998	1,3482242
Macrophage Inflammatory protein-1 alpha	123(63	0.0000	0.3053401	100000	4 0469896	1 040527R	1,1140525	1.5749887	1,1378806	0.89145786	0.8872626	0.86899424	3.6127496	22839498
Zinc finger protein	A RORDA	1,000032	1 0021784	0.9783914	0.93338096	1.0573082	0.88388574	0.9213241	0.9528358	0.8614791	0.7951661	0.7951185	0.7932463	0.7592855
Prase-1 Kul-73	1,176249	1,469906	1,2290528	1,275435	1.0654241	0.8631264	0.98503536	0.7506993	0.90021074	0,45945755	0.63954384	0.43823430	0.44057763	0.372/101
CAP Moding symbols	0,638698	5 0.702822	0.621651	1.1421845	1,2480739	0.9044602	0.5381842	1.1773075	1.1655041	255555	4 2004208	4 2655099	11 27298	11 646449
Phase-1 RCT-242	0.9511072	1.08114	7 0.998748	1.9052056	0.9918053	1.0267856	1.0434762	1.4783343	12813187	12/00031	1 1057713	1.1982707	4,535991	2,916106
Phase-1 RCT-50	1.013455	1.025573	4 0.975037	1.1502093	1.0498691	0.9108363	0 7531653	0.96065116	0 9494209	0.7079690	0.68384665	0.5238232	0.8356218	1,0346955
Gorgation factor-1 alpha	0.87610	0.0442411	0.8653.39	1,0510/10	1.1.001322	0.3010130	0 9437879	1.5262783	1.0779074	1.048401	0.98791605	1.2108377	9.811679	8,983649
Integrin beta 1	1,00343	1,03,099	1.033310	4 1774904	1 0835743	0.9621217	1,7037994	1,2830559	1.1846429	1.4008025	2.1828523	1.7454711	232532	2.1991937
Insufindike growth factor binding protein b	1.02058	4 413650	1 1 019563	1.0166749	1.0430996	1.5573233	1.5939119	2,8676443	1,8918239	0.85736895	1.029799	0.90087783	2,4023085	3.3261208
Phase-1 RCT-39	172176	3 + 113533	3 1,019521	0.9265500	1.0366554	1.0362774	1227221	1.0510081	1.121558	12804785	0.9013392	1.1771405	1,001114	1.13301/0
Frase-1 RC 1-70	0.683510	1 0.670028	3 0.6423172	0.8880591	1,0051687	0.9027978	0.68664884	0.84572893	0.9041293	0.8913291	0.03145293	1.0929300	1.4230030	0.74820894
Selementation P	0.5930471	0.695646	6 0.8178037	1.0259057	1.0485054	1.0904967	0.71103986	0.8996635	0.98319614	0.7086586	0.6011191	0.003178	1 0813621	1 1809386
PTENMMACI	1.011668	1,027980	1 0,9270159	3 0.691030	0.83304834	0.8790798	0.9486/01	0.6770079	O OCARDARA	0 78922087	0 7302325	0.7106905	0.5689397	0.48930588
Phase-1 RCT-214	1.096371	1.028625	1,160933	1.100163	1.169307	1 0709152	1 0148387	1 0971308	1 0224217	121721	1,228743	3 1.5205525	1,1335243	1.1810983
Phase-1 RCT-112	0.970927	0.8623150	1 019478	0.0848225	0 94557154	0.0555261	0.94741684	1,0293771	1,0063599	1,3532425	1.2792171	1,4898455	1,0538392	0.8344627
Thymidylate synthase	0.405233	5 0.4195257	7 1213411	1,022981	0.6979534	1.1635835	0.4366005	2,2068365	0.58518388	1,4609272	0.955725	3 0.9548355	0.7515804	1.0106314
Phase-1 XC1-13	0.608387	3 0.898736	1 0.8813743	5 0.933424	0.8806569	1.069418	0.5712067	0.6767358	1,2068651	0.9051014	0.676268	0.7705483	0.0281462	0 5434874
Cholesteni 7-aloha-thdroxdase (P450 VII)	0.930302	9 0.950972	8 0.541892	4 0.6835922	3 0.871769	1,1795971	0.8969874	0.9553781	1.103954	120527	1 180705	1 3451197	1 0842383	1.0661056
Vestoutar monoamine transporter (VMAT)	0.8762118	6 0.834431	8 0.812572	1,182343	0.91331136	1,0226538	0.8923533	1.36618	1.2248831	4 125047	1 253055	7 1,3772081	1.1488106	1,113248
Phase-1 RCT-260	0,88367	7 0.906418	1 0.9006600	1.019540	U.893003-01	1,1000762	V.300							

!				ł			0,000,00	10700000	1000000	4 2254445	4 2542BAST 0	7484521B	0377538	1.40467
Phase-1 RCT-32	0.8827694	0.9313205	1.0993105 0.	89334613 0	8817477 C	R3104867 0	9126341	0281833	0.919755	1.1725442	1.2625061	1.265082	1.0965492	0650314
Peroxisome assembly factor 1	1,016/30/	0.0938749	0.9517627	0808245 0	97499627	9347489 0.	96911025	1,001063 0	.97235346	1,0602769	1.1446478	1.1321105	0.937788	3086896
Secondarine DNA glycosylase	1013551	1 0175092	98797226 0	97370034 0	96300435	0.0768925	.9286189	1.0180067	0.9677689	1.021052	1.088598	1.4619927 0	947/4914	0070273
Tase-1 KC I-62	0.9677335	1.0312579	0.8832581	1.1776943 0	.95202214	0879039	1.060941 0.	89536834	1.1674296	0.7833282 0	90505485	1.04/3/63	0.0004666	0207004
Mauril 1/0	1.0593241	1.8862695	9469836	1.0198513 0	93623954	1,0989816	1.049521	3.9817124	0.990796 0	C8015783.	0.501000.0	66841847	0 5713901 0	54813814
Phoen RCT-168	1.1201595	1.11117	1.1195064	1.0363439	1,0026037	0913441	.0027974	1.6916419	0.7930346	4 2206203	1 1238581	1 575786 0	68064195 0	94812953
Prese-1 RCT-119	0.95078576	0.83010644	73051864	0.8959353	1.1908362	1,1802434	0.1453332	0.77809713	0 7207131	0 614044	0 9672662	0.8712167	0,6438875 0	88634774
Carbonic anhydrase II	0.7736502	0.92535883	0.96267754	1.0639673	1.1600635 0	0 00113	0.001/363 0.	DE462034	0 9947271	0 8289104	1,0033842 0,9610	.96107525	0.79304	38511427
Tryptophan hydroxyfase	0.9645554	0.92974365	4 036 537	1.0071/349	ROCOCOO O	0309701	0340916	1,035196	1,1684034	1,0356438	1.117964	1.2409624	2.1761372	3321042
Phase-1 RCT-71	1.032324	1.1339133	1.0255277	0.87187785	1075666	0 7227627 0	99122983	1.4609925	1,1311903	0.9943913	0.981826 0	86021584	1.075475	0207168
Phase-1 RCT-179	0.802000	1 008041	0 9222848	1.1400217	1248987	1.5738437	1.0985065	0.5286984 (73277116	.49212343	0.7275832 0	67030334	Section.	70040
Phase-1 KCI-161	4 280143	1 1652071	1 1077025	1,0282483	0.9924706	1,0921209	1.4034077	1,958303	1.3692966	1.1813176	13113829	1.3813.332	4.0013237	4,70010
Phase-1 RC1-20/	0 9853792	0.93719596	1.0796523	0.8835513 0	.98043543 0	95431006 0	94571644	1,5438249	1.0996565	1.1699151	1.1627622	1.1410645	1.3522143	1.04207 C
Phase-1 RCI-144	0 5667769	0 85960907	0.79998446	1,3262959	1.0230334	1.954339	0.6422282	1.3487167	1.7447056	1.5262644	13/91325	1.721/301	0000000	70077700
Phase-1 KCI -225	1 236674	1.35386222	1.2765596	0.7364896	0.8136099	0.7925297 0	94907326	0.5908919	75149363	91128945	1.0095618	12940343	4 6057705	4065558
Cylocatoria raso acci	12276917	1.2966	1.2033458	1.107182	1.0950371	1.01164	1.2433068 0	90206677	0.9879841	7500000	1 200000	12312111 123121111	0 85855347 0	88265425
Dioredown-1 (Trx1)	0.79172605	0.7348733	0.94008046	0.8722432 (95570135 0	91150415 0	00415 0.767751761 0	3110/32	19010097	0.758654	36913165 0	73670937	24521983 0	27326313
Corporir entrefesse III	0.4845098	1.079574	0.87449306	1.1657006	1,4908164	1.8716093	2	19/38/	0.400024	4 445035	4 117007	1126574	1.1887983	1,203068
Phase-1 RCT-140	1.1334783	1.107094	1.073888	1,0335988	1.0582525	0.9834251	1.1391501	0.022/01/0	1 0000112	0 6437173	62986078 0	60931486	0.352586 0	51876795
Complement component C3	0.6670244	0.82058764	0.7960685	.92577666	1.0361869	0.6056911	00626260	Cert 7885	0 9273179 1	0.89812535	82952166	1,150218	0.6771162 0	68062264
Gucokirase	0.9828909	0.98071486	0.8488332	1.85679567	1.0948236	1.5476094	4 4640905	0 757325	0.9595754	1.097921	1,3107016	12420429	1.160007	1.1234516
Phase-1 RCT-173	1.8717891	1.401224	1.1062146	1.01033567	0.000000000	4 0454627	1 0078869 0	0 89735973	1.0008476	1,1225715	1.1088964	1.1614009	1.046165	1.1469325
3-methyladenine DNA glycosylase	1.1190752	1.0959463	0.07.77.00	1 1/67016	1 0778381	1 2019539 0	80392516	1,169988	1.0694281	0.8714904	0.88963246	0.7694708	0.9538303	0.8035187
Perodsomal multifunctional enzyme type II	0.83563733	03/35/24	1,0771400	0 8732337	1 168917	1.1055082	0.7467327 0	71413106	0.915378	0.68443348	506306	0.61273617	0.5150169	0.6354469
Phase-1 RCT-40	0.8283230	0.004400	1 2744507	O'CO CONTRACTOR	1 0748038 (97921973	0.6202778 0	.48265554	90998995	0.56963843	0.52762556	0.6322364	0.33924252 0	25388783
Senescence marker protein-30	0.000001	4 0574917	1 0137767	1 2199423	1.1420199	1.022032	1.2676705	2.8617885	2.9459188	1.204908	1.0808052	1.218994	2.001303	7,033300
Cyclin G	1 1123772	1 1784738	1,2164025	1,1366633	0.8162779	0.7222134	1.0494608 C	88587084	12314706	0.7085851	0.88864416	0.520244	0.7000345	1 0587795
Mediona-associated angual access	0.96715975	0.96792213	0.9822058	3.89291503	0.9337672	0.8633382 0	87954295	1.0810295	0.9232334	1.1749136	1.033144	1.1424103	05786200	0.8098917
Figage NO 1-20	1,0191764	1.0759492	1.0692528	0.9517204	0.9541177	0.9228342	1.0399038	0.8749907	1.032526	0.9050/44	0.6512450	1 2911714	66406083	47232637
Aichiel dehydrogenase 1	0.9225982	0.5545838	0.7756867	1.4592851	0.6129448	96786445	0.7051673	8756977	0.072727	0.7115492	0 6766106	0.72735727	3.72663015	0.6381391
Stem cell factor	0.77853763	0.8548129	1.1513512	10943563	1.113/605	1.0230830	1.1043200	0 9740294	0 86284304	0.84703344	0.8922332	1,99385834	3.55260116	0.5337101
JNK1 stress activated protein idnase	1.1332415	1.0051189	0.0025020	1.1171134	0 8847421	85976356	0.8594688	1.0578336	0.96279347	1.1377788	1.4228611	1.4627852	12102388	1,1255163
Protein tyrosine phosphatase alpha	4 4 7 6 7 7 5 7	0.9101783	1 0162835	1 1302994	0,8314361	0.74625725	0.9522511	0.7248615	0.78662443	0.9972466	1.4096879	0.99054354	123259	1,0003196
Phase-1 RCT-55	1 1594281	0.9303154	1,1112452	1,0631553	1.0487088	0.9624461	1.0787557	1.0814711	1.0445465	0.7004565	0.91007024	0.64278066	94742084	51147395
Uniquitin conjugating enzyme (1900 o nonimograph	0.80546576	0.92919254	0.9849191	1.0761061	1.0567739	0.9435328	0.7343188	-	0.97743636	4 0652700	0.5/03280	0.40492004	74717795	50449005
Phase-1 RCT-280	0,9341313	1.1864057	1.0366496	0.7716662	1.0992044	1,0653718	1.1481214	0.47884068	12119995	1.0532633	1 0953131	1 1041778	1,1113485	1.099426
Superoxide dismutase Mn	1.191638	1.1185166	1.158542	1.0441002	1.0701905	1,032,238,1	1.00375700	4 4245474	1 1007712	1.1863842	1 1575985	1,5152087	2.134808	1.8188515
Beta-lubulin, class I	1,0952213	12097278	1.7881/92	U.383/3003	1 2188842	1 1596872	1.0428456	0.77601653	0.87230325	0,9323026	1.015179	1.2251818	0.45905843	0.8944011
Carbarryl phosphate synthetase i	4 0600693	1 0104213	0.03141600	1.076499	1,0078063	0.9198508	0.99395	1.0150907	0.92184925	1.1155691	1.1326239	1.1614134	1.1785035	1.1/50554
Diacyfglycerol Knase zeta	0 7427411	0 6864816	0.8959347	1.0486605	1,1783115	0.81447345	0.75746655	3.0336473	12985643	0.89642507	0.89037603	0.8883489	20088474	12132341
44.2.3 rate	12509897	1.2516987	1.293437	1.079549	1.1617604	0.91449684	1.0831653	0.9453098	1.0466584	1.0548/31	1.0185355	1.30±330×	0.9968418	183173895
Gamma-actin, cytoplasmic	1.4271642	0.8560211	1.1279566	0.7292805	0.736201	0.47649008	0.9954817	4 2464045	4 0457430	1 210838	1 2890612	1.254028	1,6759192	1.6898803
Ribosomal protein L13A	1.0168355	0.8784845	1.0461044	0.90432614	0.8932134	0.7633307	1030501	0 9035946	0.84188706	0.86594176	0.83265543	0.7996375	1.0706235	12372193
lkB-a	1.1189173	1,0046511	1 9240572	1 3810282	1 1425153	10306206	1.3208362	1,0988663	120215	1,1361784	1.0753907	1.3248705	1,7103213	1.9475437
Phase-1 RCT-65	1.32.33468	1 2694470	CF097F 1	2.0682418	1,1732258	1.1112821	1,377724	1,4478137	1.6327779	1.1723542	1.1812063	1.3416399	5.9796095	3.4196622
cylin	1 13/023	4 3448613	1 0215157	1 275086	1.153043	0,97173065	1.1790323	1.1322439	1,2059441	1239121	1.081191	1,335424	3.4295046	4.020015
Protein O-mannosyttransterase 1 (Ponti)	1 7207444	1 6997445	1 2101685	1,4724839	1.1811922	1.0714784	1.346044	0.9475963	1.1162433	1.4096727	0.9116784	1,279309	1.79/2016	4 255738
HMG COA reduciase	1,0254318	1,1514883	1.197695	1.0065945	1,098713	1.055345	1.0946101	1.1927403	1.1655643	1.1849275	1.12/5822	145/7527	200000	2000
Interferon related developmental regulator IFRD1				, , ,	, 0000	4 0076689	0 67647345	1 2750542	1 0848296	0.93313855	1.0134275	0.8854412	3.0686626	4.0283376
(PC4)	0.6898839	0.77552754	0.75407894	0.6944311	1,0820470	1.00/3332 0.74£38685	0.74544975	0 9957808	0.76648173	0.9620943	0.7118446	0.7170355	1.6280991	1,4112222
Glucose-regulated protein 78	0.9034025	1.0879289	1.095/382	4.0005733	1 04304294	1 0601586	1 0656419	0.8712314	1.0014613	0,7063501	0.77522147	0.7573767	0.7013438	0.66958266
3-beta-hydroxysteroid dehydrogenasa (HSD3B1)	1.0688981	1.00148/8	0.96323636	1.0336232	1.007894	0.8921997	0,88595986	1,0158961	1.0174546	1.1193328	1.1750544	1.2268109	1,8303516	1.7658768
Caspase 6	0.0582353	O BROKE	0.8885882	1.1951162	1,1468896	0.9475765	0.93811446	1.1769083	1.1695924	1.1844944	1 2258343	1,33805/8	131631/4	1,31593980
Phase-1 RCT-169	0.9466596	0.8464824	0.83224696	1.1923697	1.0633507	1.6125094	1.0277888	1.8494068	1,7915419	1.1012408	1.0756879	1.073815/	1 843493	1 9507734
Phase-1 RCI-187	1.4664594	1.104215	1,33316	0.79613775	0.89131916	1.1544548	1.2713096	0.65161425	0.90814754	1 2220098	1,0/000/0,1	1,01001001	100000	100000
PROSET NOT-CH														

					100	0 0000000	9500000	4 modes	1 022861	0775238	1 2492676	1.2909082	1.0556958	1.0973085
Phace-1 RCT-72	0.9564911	0.88003176	0.9346035	1.1585289	0.9473144	0.9802647	30007300	1 24 50 254	1 44R730R	1022096	1 2496331	1,1756511	1,7246149	1,6991045
Punyete lánase, muscle	0.95350647	0.853659	0.87635524	1,0531/1	TSOCYCIT L	0.0307133	2001000	0 8263034	RRITEGA	0 7301203 0	73174393 0	70133835 0	43791983 0	47301614
Phase 1 RCT-288	0.84309953	0.8541612	0.85818954	0.8415281	1,0436086	1.2393/40	0700070	D DREAFOR	13799021	11146451	1220195	1.3216423	1 2583747	1,2820983
Dhoen t DCT-01	1.032489	0.97574794	0.98175746	1.1829106	.94322634	0.6343303	3/003/10	00000000	0 96000000	91910878	0 7912307	0.8051173 0	36983213	0.5986275
C.Androme P450 2(239 (attendate done 2)	0.8832141	0.58070946	0.99887663	0.5739504	0.774234	0.524548/ 0	. 14365115	02/02/02/07	0.30403300	1 0489192	1 DR24287	0.9900575	2,2861464	2,8439376
OCT OF	1.2162371	1,0715804	0.94941556	0.9310034	1.104331	1.0823334	1.7100304	10170	100000	200000	4 40 TREAM	1 0898805	1.153341	1.1776813
Character and the	12557268	12063775	1.2540339	1.3038212	1.403033	1.1883374	1.2383397	1.224219	130000	OCCUPATE O	90818308	0.7900099	0.6415165	0.5260753
Mathematical Conference alpha	0.82110494	12034776	1.003317	0.7870563	1.1560696	1.1239436	1.0128034	22677850	2000000	0.32200	73130054	13429774	0.9943881	0.7153941
C.4 cohome DASO 120	3,1270192	3.549854	2.6533437	1.2452704	0.902285	0.8784901	2.1181333	0.3932044	94460707	1 041247R	1 1317788	1,1265162	1,5466844	1,3615861
Dhoea,1 PCT,297	1.422888	1.0447433	0.81554735	1.3680638	1.0958302	0.8028473	1.1800603	0.7357515	Pacerca O	6744265	0 832921 0	73155093	0,4440229 0	56101847
Monomine addase B	1.0839307	0.98587376	0.7200091	0.9816009	0.9676696	1.014/039	1.003020	70001555	01453105 0	65006908	0.846331	0,5021753	0.5748381	0.5340478
Phase-1 RCT-264	0.63533145	0.97636575	1.1973938	0.90843767	1.1355/82	1.04049394	0.01833002	10581055	1.0154052	1.2449276	1.1345785	1,5170406	1.269258	0.9505113
Permisome proliferator activated receptor garring	0.9240714	0.8528097	0.9166532	1.15346/2	1.0035	4 054939	0.3/3/3/3/	0 8536944	0 9307585 0	71750087 0	87300116	0.7889691 0	.65028137	0.5850387
Phese-1 RCT-143	0.8521599	0.8642794	0.9849104	0.92459774	1.0085012	021001	4 0007369	0 8016848	1 0478951	0 9490682	0.9546205	1.0317339	65546733	0.5012586
Phase-1 RCT-251	0.9526625	1.1876584	1.1152831	0.91662896	0.9460455	1.15/6030	00012001	0.001000	0.0805887	0 9255764	1 2491492	97392803 (3.61586004	0.8481982
Dhaen,1 RCT,117	1,1893967	1.1688137	1.0485406	0.8834459	1.1557834	0.9740455	1.2320340	04074565	0.000000	1 2957451	1 2806506	1,0091866	0.8065484	0.9228748
Chirations Stransferage theta-1	0.96374315	0.8856904	1.2198823	0.76085335	0.96463	3,834,15/13	0.00/88.0	00101000	0.0177564	0.0758850	0.9715273	0.8557639	0.8243493	1.86446595
Direct DCT.01	0.97731733	0.95016503	0.99763805	0.8692941	0.87268364	0.94342804	9/860014	0.8/5//2/	0.3377.301	05076nc7	1 0220719	1072214	0.763224 0	96646205
Phase-1 RCT-148	1.1966044	0.9801294	1.0369414	0.84625286	0.8878333	1.0628831	1.0130322	0.08390704	0.8679707	0.762465	0.8210616	0.7297462 (3,64819115	1.62466264
Phase-1 RCT-142	0.9905783	0.9305863	1,027056	0.9219438	0.9480513	100000	0.90000	4 0/B1530	7	1 2878807	1,1565338	1.1625522	1.0592555	1.0972803
Activin recentor type	1.1541942	1.2686503	1.4716727	1.0055364	0.916239	0.070730	4 4200000	2722720	D BO320944	1 011383	1 230 1252	1.3423835	1.858038	2.6719205
Choine methytransferase	1,0608968	1.5078329	0.8007792	12773304	1.18608/3	130000	1.1392000	1 0179527	1 0857853	1 0679072	0.9132031	1,0003561	0.92041975	1.0811459
Phase-1 RCT-281	1.071095	1.1165307	1.1198	0.97566524	1.1083032	9038190	0.9167962	97976565	0.9456443	0.8870469	0.8502129	0.7700415	0.8763911 (3.97968405
Ciliary neurotrophic factor	1.0169834	1,0250687	1.0394440	1000160									, 22, 1000	4 5449474
Gap junction membrane channel protein beta 7 (Gpr 1)	1 2278137	1 4830731	1.0371231	12505974	1.0479904	1.0509363	1,3095423	0.89641917	1.0387015	1,1246378	1,308952	1.451/042	12/14000	10640007
	1 0653734	1 0943868	1 0920255	1.0052731	0.98342824	0.9198806	0.98431764	1.0747665	0.9705084	1.1603/45	1 2018035	218427	72404466	ACTES 708
Phase-1 RCT-95	A 8051810G	0 829776	1 0057417	1.0144409	1.0905342	1.106405	0.8173018	1.0597137	0.9243385	77454823	122034	0.70073770	0.0010100	0 5767639
Prase-1 RCI-28/	0.82760805	0.9458781	0.8568591	1.0955151	1.0324053	1,3052078	0.8627825	0.9418528	0.9136987	5808/126	0 T40364E	0.330 1300	0.7136677	0.6049239
Keing-binding protein (No.)	0.80009556	0.8559094	0,93707675	0.987678	0.9068791	1.1374109	0.76930827	0.8613012	0,767,781	0.0044032	0.0747343	56000135	A64969134	0.7052087
Very long-crain acy-cus synumerase	1.036302	1,0094895	1.1457094	0.79508195	0.89437425	0.8770514	0.96620095	0.78573114	USOCH I	0.332007	4 0030843	0 9707474	13424147	12109761
Synderant	0 9388723	1,0049616	1,0343189	1.0131984	0.99211097	0.96670245	0.8661629	0.9861083	1.0018080	100001	4 4037408	0.9816882	0 92589974	0.8343042
Chare 1 DCT-146	1.0087237	0.97600526	1.1054964	0.8825721	0.91477126	0.9353438	0.96983373	1,285,3973	1.0329730	0.0624152	10869367	1 2281425	0.7921603	0,81548977
A-to	1.0847744	0.9299211	0.98411864	0.96994424	0.98413694	1.13918/6	1.1118347	0.0034013	000000	0.7762529	0.8744834	0.8801087	0.829853	0.9517314
Dhase 1 Dort 80	-	0.9434839	1.0478032	1.0486895	1.0830421	1,305459	0.93007076	0.7 19033	0.9227.000	4 197184	1 1231465	1,1083212	1,1310183	1.2480335
Samulastric pelculum celcium ATPase	0.73965806	0.73009294	0.7690976	1.0051636	0.8858995	1.0038900	0.7300	0.00040	0 Bno57204	0 985006	1 2280985	1.008187	1,8841972	2,5372458
Alaka, 2. macmalohidin senience 2	0.984683	0.7993588	0.8231666	0.89006275	0.88344693	0.96612847	1.1263009	0.8080137	1 0281925	1 0282518	1 0849814	1,1127836	1,5019838	1,5661345
Dhase 1 DCT 204	0.93280405	0.99655557	0.9401906	1.0095606	1.0505644	1.0294287	0.93523/45	0.8700035	700000	1 1636704	1 0524487	1,3334199	22401986	2.858347
Vescular endothelial growth factor	1.2493769	1.1561841	1.1126227	0.98258734	0.8648066	0.91891943	1.10043/0	1,311,3300	200000		-			
NADP-dependent Isoditrate dehydrogenase, cytosolic				0 000000	4 4000033	1 0477747	0.91196964 0.65799296 0.88006785	96256250		0.81534255	0.83454865	0.74646558	0.613383	0.56751436
	1.0143814	1.0535113	1,395,092	0.8232184	0.0448955	0 06543586	1 008769	0.6851281	0.7257579	1,039746	1.185306	1.0857325	1.1368382	1.0442419
DNA binding protein Inhibitor 102	1.0428979	0.66923250	1.0131030	4 00005	0 80034436	4 3553255	1.1506515	0.50684077	0.88552815	0.5332409	1,3324105	1.0421505	0.49010763	0.5406707
Glutathione 3-transferase Ya	1,5458685	0.85021851	4 500077	BCA200+	0 88695186	0.7154571	1,1360803	0.4197726	0,8165053	1.3100339	1,0379293	0.5125836	1,0139183	1.0915428
Epodde hydrolase	1.4003618	0 77050006	1 2848191	0 71390116	1 1149312	0.8254892	0.5012536	6 0.69857085	0.9467208	0.817065	0.75800014	0.59739584	0.72671026	0,000000
Insulin-like growth factor	0.0320220	0 7837772	0.9251054	1.3019831	1.1805505	1.2578488	0.7870607	1.3795264	12368779	1.1349885	1.1775794	0.9812163	1.3130219	0 8404735
Prostagiandin H symnase	1 2051115	1 1318145	1,1308197	0.93937725	0.9138194	0.98363465	1.0977178	0.846015	0.91688344	0.9493491	0.9203646	0.970003	0.01320300	0.49763077
Phase-1 RCI-136	0 79842913	0.6227001	1.0380038	0.8725573	1.0375621	1.1725663	0.8362243	0.6969725	0.8881493	0.505582	0.7313004	0.0019900	0 64578557	0.8361897
Phaso-1 KC1-13/	0.9168729	0.9093415	0.9723332	0.8072248	1.1245294	1225125	1.0000511	0.8694641	0.851/123/	4 00/00/101	0.0440413	0 7374477	0.7886191	0.7733385
Triangle from	1,078395	1.1296711	1.2458915	0.74529153	0.9283177	0.86279094	0.91632724	0.5423132	4 0425645	107 O 76018065	0.88277507	0.7683257	0.8586687	0.90231526
Description of Dr. 184	1,1316844	1.231427	1.1795065	0,9646134	1.0430844	1.0627495	1.1070459	0.8529349	1,0133013	3 6	0.85251546	546 0 75562495	0.85229826	0.80985105
And Cod detrotocease medium chain	0.80407876	1.0072122	0.9525481	1.1192042	1.1020119	12/42371	0.82462776	1.0538137	1 2520622	00000	ı۱۶	10045824	0.96638477	0.9889808
Cit Astions O Lanefence VP2 & thunit	1.180178	1.2692018	1.4164796	10371221	1.1144875	1.3037002	1.0800427	0.754100	270077	1 2251304	1 3007454	1 1525749	1,1401638	1.0763708
Codonal melitiase	1.15236	1.1488292	1.1330457	1.031471	0.9945174	1.0003345	Š	42 1.0202114	8972468	1 1281025	1 0730559	0.9484111	0.952361	1.0897269
Phase-1 RCT-168	0,783972	0.83002490	1.1758667	0.79917103	1.0328465	1.0126036	4 0444132	0 5808609	0 8363542	0.8957379	0.82318604	0.7215322	0.7864073	1,0301318
Analinomilein E	0.874261	0.916082	0.862835	1.0301288	1.304937	1.014411.	1011132	0.000000	1 2046959	1 1937447	1,308419	1,1585112	0.7010069	0.63189465
I DP-dummos/fransferase	0.842563	0.68042874	0.93197507	0.8202995	0.8816//8	1.113022	4 0445096	0 6763977	0 06130544	1 0509957	0.8258987	12260711	0.9159562	1.0608418
Cudathione S-transferase P1	1.211442	12207906	1.3743871	0.8096741	0.8900951	0.9062633	0.00777790	0 8343288	0.86651015	0.92806315	0.79178697	0.9563681	0.81224203	0,69838613
Disulfide Isomerase related protein (ERp72)	0.973959.	0.992621	1.1789943	0.88482493	4 1150003	1 1043978	1.0042298	0,89628255	1.0750532	0.8134025	0.6875612	0.8140326	0.5930162	0.87275976
Pibosomal protein L13	0.949965	1.113/96	1.033233	0.99686874	1 0178937	0.9248778	0.8380549	1.5535519	1.0986421	0.90040785	0.87961984	0.75866467	0.5258535	0.7135315
Ceruloplasmin	0.80430#	0.00100-0	n 89111847	1 2975174	1.2798063	0,9073578	1.0010444	2.071185	1,348859	1,0438895	1,2793287	0.9842761	0.501402851	1.305/440
Inter-alpha-inhibitor H4 heavy chain (lin4)	0.5001	7,0110	0.00011000											

												1000001	0.0400070	4 063085
Dhora 1 PCT.3	1.0014223	0.9760163	0.9975413	1.0082337	0.9763133	0.9059874 0	94950706	1.0756159	0.95638615	1.0798986	10985428	0 8208613	0.7942998	1,165241
Fetuin beta (Fetto)	0.8387632	1.1367823	0.89048463	1.5560211	1.0567641	1.4486852	1.0919436	1.063/430	95290950	85974425	0.9485724	0.87935644	0.7591783	.96705186
3-hydroxylsobutyrate dehydrogenase	0.9393011	0.88664	0.8416035	1.1010541	1.1218216	1.1637712	0.0032174	0.00000	87584263	1.0716652	0.8180247	0,60792327	0.55053115	.79115176
Carbonic anhydrase III, sequence 2	0.6559076	1.0276418	0.65776825	12548918	91435223	1.440007	20/3/100	0.00 10000	1 0483671	0.816404	0.8563308	0.82398856	0.82963926 (.89867145
Phase-1 RCT-10	0.9536274	1.0270263	1.0144512	1.0028653	1.0/61430	1 530R822 E	0.9588627	1.0186889	1,0007162	0.6502863	0.66141397	0.7001814	0.6964314	0.5318034
Alpha-2-microglobulin	54149804	1.0234103	0.5643046	C 1010171	1 0300BD3	1 238 1828	1.0853254	0.9051143	0.8842597	0.965939	0.92382306	1.0993065	0.7836047	.86788143
Dynamin-1 (D100)	0.9495588	73893094	0.6086187	33047	0.9767229	1.1364353	0.8178429	0.9022007	0.87679636	1.1956792	0.90965146	1.1088807	1.0892727	1.0623615
Lysy oxidase	0.0457137	0 848988	0.7199339	0.8357446	1.1563091	12452666	1.1677486	0.7451959	0.8962891	38049626	0.968/1144	0.432500.1	4 4240408	1 2853093
Phase-1 RCI-232	1.0396143	1.0344607	0.9855687	1.1054896	1,1241933	0.96692127	0.9764181	137337	1.1116872	1.09/9284	1.001/2444	0 8099046	0.85040044	0.9544168
Phase-1 RCT-278	0.9040788	0.9443374	1.08012	0.9869847	1.1606674	10787243	1.0161641	1.3803/85	1.135/136	1 094 1904	0.91762275	0.9527025	1,0309587	1,99114597
Phase-1 RCT-42	1.0917215	1.1754413	1.1354531	0.9775448	4 4027265	1 0047042	1 0828295	0.9263828	0.7672712	0.99998033	0.981535	1.0009371	0.9647875	0.95932114
Phase-1 RCT-25	1.0447266	1.0226923	1.00/84/2	1,002,2097	0.0753203	0 0730075	O REDORGZ4	1 2547197	12449318	0.7870994	0.57442546	0.7772309	0.73582286	1,48964614
Cytochrome P450 2C11	0.91169465	0.93558216	0.7329169	1.170882	10.9733201 4 0EE64B6	4 4070288	0.00000	0 8893088	1.0742857	0.8551483	0.89103305	0,80821514	0.7954417	0.8855534
Phase-1 RCT-202	0.86267096	0.8308506	1.00/6002	1 0840175	13623207	1 1290755	0.8772514	0.97298175	1,0666883	0.83956903	1.035896	0.8091002	0.5570999	0.82024554
Complement factor I (CFI)	0.80853874	0.7502419	0.91134107	BOBOOO O	0 8901744	0 8769133	0.85303366	0.8578324	0.95471525	1.111214	1.1954437	1.1269474	1,6552235	1.5//6084
Profiterating cell nuclear antigen gene	4 452152	1 4229136	1.3566269	1.1027302	0.9054137	1,0205317	1.2999927	1.0627655	905476	1,2899004	1,0307328	1.1869835	5.2152505	0.7050084
Adivating transdiption lactor 3	10515311	11122111	1.0951585	0.9755156	0.9413212	0.89690477	0.9399666	0.99652046	0.95358646	0.95916843	70044836	0 84794754	0 59245765	0.6081959
Pocal Borreson Milese (Morco) res	1.1787131	1,118199	1.1143155	252	1.0775697	1.3428202	1.1256331	0.7466352	0.9324309	0.7374303	4 0075504	1 0034053	0 8786415	0.8966559
Phase-I PCT-250	0.93523914	0.9396143	1.0192238	0.95148724	0.9999994	0.975015	0.95974916	1.0165828	0.9966311	0.3430423	0 PATTR297	0.908981	0.9870875	0.75566506
transcroosive element-binding protein	0.95496	1.0916806	1.1726447	0.8922884	0.8781023	1.0264252	0.63908653	4 4000004	4 5359748	1 2765774	1.0956408	1 2988966	1,6591353	1.8104838
MHC class I antigen RT1.A1(f) elpha-chain	1.9584932	1.8475755	1,7166697	1.433592	1.6433688	0.9890618	1,0000017	0.9447757	0 8802278	0.8487526	0,9025995	0.9804259	0.4004642	0.33197132
And suffortansferase	1,0401667	0.9532877	0.57068497	1.0202947	0.950487.25	1.0042305	0.9627547	0 85387146	1,0691	1.0726844	0.9660245	1,0186008	0.8214403	0.8250504
Phase-1 RCT-171	1.0067701	1.0229454	1.1339226	4 4 000 007	4 004484	1 12255464	0.86380434	1.6127437	1,2285646	0.609356	0.85786563	0.6228462	0.6533347	0.7083444
Phase-1 RCT-83	0.8506033	0.72484666	0.8351146	1.4000001	1.051504	1 20087181	0 93203616	0.3813088	0,7195416	0.75437768	0.8815535	0.8988545	0.4905311	0.54538286
Phase-1 RCT-270	1.1011877	1.06/948/	1.1058181	4 4007794	1 002184R	1 1491698	1 1259532	1.0280558	1.0199702	0.7094064	0.84286356	0.65968704	0.92618877	0.9632555
Colony-stimulating factor-1	0.8928297	4 407444	1 222344	0 97353524	1 0382345	1.0164647	0.9723419	0.7768626	1.0764749	0.8777807	0.89989836	0.7952882	1	0.8802343
N-cadherin	1.06349	1,18/114	S S S S S S S S S S S S S S S S S S S	0.0505577	1 0261146	1.3879038	1,0171139	0.87871647	1.1144842	12137637	1.0426648	1.1927667	0.8683662	4.0000076
Phase-1 RCT-62	1,144,1756	1 1068741	1 078331	0.97428507	0.9652888	0,87987316	1,0705616	0.9732839	0.88066286	1,0391893	1.0583512	1.0496577	1.1330433	1,0000013
Phase-1 RCT-22	0 8897899	0.885324	0.96284646	1.0034171	0.9886837	0.96224487	0.8272199	1.0712005	0.96535635	0.9079777	0.88715883	4 PARRAA?	1 0412029	10545696
Miss 4 Oct 48	0.98606515	1,0350194	0.9587807	0.9594232	1,0059595	1,0282006	0.95737296	0.97486615	1.0473009	4 4567732	4 4476073	4 2402956	1 2046596	1.1821133
Change 1 DCT, 193	0.8355506	1,0066652	0.97241175	1.0704002	0.9786397	1.0819108	0.9672251	0.98469603	0.9091073	4.0102555	0 95570153	0.9732775	0.78273726	0.76418054
Phase-1 RCT-68	1.0347182	0.9654826	1.0463791	1.049279	1.0486468	1,0631247	0.97843043	0.0454011	0,000					
Equitorative nitrobenzy/thiolnosine-sensitive		20001111	a constraint	4 0034705	0.0495708	1 14033	0.8339761	0.6886941	0.9033943	0.90738803	0.9928556	0.8769003	0.79591864	0.65757996
nucleoside transporter	0.70970863	0.8224417	0.836/32/3	1,0334283	0 8401108	0 9032367	0.75657237	0.38219953	0.81562644	0.8878044	0.8482524	0.84416145	0.65602237	0.7510886
Glucose transporter 2	0.96983814	1,086/126	0.037,5400	4 142536	0.96574855	0.9526648	0.881547	1.065178	1,1517367	1.0006038	0.9054865	0.8679771	1,3508863	12439//4
Multidrug resistant protein-2	1 0006008	4 0477R0R	0 9409375	1 1659911	1,0823314	0.99523354	1,0152503	1,185898	1.2470603	1.0983752	0.8612736	1,0032369	1,7833735	1.832/402
Mulidrug resistant protein-1	1 6174638	1.4105949	1.4298632	1.1844063	1.388811	0.97061706	1,5942869	1.0879312	1.1980125	1.0022185	1,110145/	4 0007045	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	1778753
Phospitalional median phospital phos	1.4500226	1.210986	1.1370852	0.9192753	0.8371897	0.86694837	1.2784396	0.9941081	1 1101787	4 2282175	1 5738128	1.3840535	1.2910892	1 2010511
Integrin bela-4	1.1596389	1,0783006	0.9869406	1.1032484	1.068945	0.98169273	1.5/323/3	1.1033002	1 1953385	1.5235765	1.5276588	2.0346131	3.160644	2.841557
NADPH cytochrome P450 addoreductase	1.881977	2,1673992	1.11/1992	1.361102/	1,07,00276	0 9486299	1.1467978	1,1791826	1.0326209	0.95326567	1.1031895	1.0765495	1.4840956	1.3991898
Wafi	1.14561/9	0.0004511	07473852	0.9541477	1.0924624	1.20441	0.8736808	0.84224844	1,1655103	1.6580832	1.1054655	1.3850793	0.8859043	1 1046428
Endogenous retroviral sequence, a and a LITA	0.9485134	1,030139	0.930918	0.87881863	1.0269926	1,0080583	0.9923461	0.967162	1.042383	1,0222083	0.834379	0 9317969	0.7109382	0.6962496
Phoen A RCT-54	0.9728523	0.9400008	0.995202	0.96990365	1.0069395	1.1801368	0.98288425	1.0610043	1,017,2230	4 3978926	0 9364647	1 3052135	1,1226941	1.2828593
Phase-1 RCT-240	1.038252	1.109907	1,0062832	0.9161981	1.0007812	0.89800086	1,1888132	0 8068405	0.8145611	0.6898616	0.7344103	0.7502541	0.60324436	0.60190296
Osteopontin	0.8856497	0.8045271	0.8492144	4 4537478	4 4967701	1 2207556	11572561	1.0942421	12151418	1.1295536	0.8163003	0.9278621	2.5062397	2,8314931
Organic enton transporting polypeptide 1	0.8359486	0.94046825	0.88833	1.4527.170	4 M304784	0 94668186	10139408	1.6771435	1.3924594	1.0824273	1.1013346	1.1388754	0.9035107	0.88691014
Phase-1 RCT-241	1.03///8	0.553.5402	1 01997	0.9889328	0.95719147	0.9207417	0,88964885	1.1037371	1.0001676	1.0065248	1.024254	0.9852292	0.9206/41	0.9262/335
Tissue factor pathway inhibitor	0.3340/ 300	0.301030	200						1		0.000011	A 836768	1 4238761	1.6773968
chare)	1.0704892	1.0326818	1.0546163	1.1800866	_	1,0474834	1,0577157	1,3670417	1.2138550	1 1168871	+	1.3915868	1.1603198	1.1322335
Phospholipase D	1.0626109	0.8748993	0.91804165	1.4652554	0.92429435	1,040550	CA114000	1 2736207	1.1778178	1.0741416	1,0275735	1,1005828	1.0804673	1.0520194
Phase-1 RCT-39	0.9416602	0.89354616	0.914222	0.978623	1.00433397	0.04831413	1.0434573	1,1151335	1,0032959	0.98202384	0.99392486	6.9996339	0.9036882	0.86316806
Phase-1 RCT-258	1.072720	1.046530	0.006300	1 1797516	1.0571095	1.1217715	1.1041027	1.8190116	1,668952	1.2746605	1.0075691	1,3550961	1.2464979	1.3016306
Phase-1 RCT-113	1,00717,000	1 0517943	0.9769561	0.89336956	0.9566192	0.97570837	1.1232787	0.7856991	0.8653363	0.7691316	0.8986850	0.831433	0.691836364	0.024030
Adenine rucleotide translocator 1	0.7236138	0.7937617	3 0,5096726	1.029321	1,2873895	1,3942851	0.9569395	26704419	1,0949334	0.863489	4 40,000	1 2231725	1578266	2,018069
Alpha-1 acq gycoproteir MHC class if entigen RT1.B-1 beta-chain	0.742363	1.30329.	2 0.7039587	0.8145190	0.71835595	0.78117585	0.9700016	0.8237995	0.60221145	0000001	1,194320	1	2	

		- 1	L	000444000	0 00505031 0 04027996	- 1_	0.8797054	1.0603664	1.0603664 0.7381957	0.77647495	0.9302193	0.7776432 0.71241117 0.74220127	4 690032	4 3769575	(NIC
Organic cation transporter 3	- 1	0.8365486	0.06778111	R4135884	0.9029668 0.88596934 0.9029668 0.88596934	88596934	0.9123274 0.7585813 0.9171631	0.7585813	0.9171631	1.3719814	1.0210142	1.0632604	1,0046371	1.0728383	Tes
Hypoxia-inducible factor 1 stpha	L	ľ	0 9936593	9936593	1,090913	1,090913 1,0237621 1,1834433 1,0935702 1,0969386	1.1834433	1.0835702	1,0963356	1.1201034	COSCOSTA COSTA COSTA COSCOSTA COSTA COSCOSTA COS	1.1201634 0.3002331 0.7814511 0.78068286	0.7814511	0.78068286	٥
Phase-1 RCT-43	- 1		1 0710867 0 80174675		0.8900342 0	0.8900342 0.98181313 0.98779786	98779786	1.1390511	1.1390511 0.99782684	0.98/304/	035304780	0.32403340 0.9170704 0.67892325 0.80510795	0 67892325	0.80510795	lio.
Phase-1 RCT-45	1.03413853	- 1	127 13002		1.054283 1.0413637	1.0413637	1.1542888		1.1542888 0.87573236 0.76650363	0.7367.0	1 204 5 4 5 4 5 4	4 224 C 2061767 0 70452714	0 70452714	0,6721959	6
Malate dehydrogenase, cytosolic	1.2164649 0.89807793		1		1,1750166	1.6235977	0.5213355		1259401 1.6094284	1.4049947	0 8409412	0 84094121 0.7076406	0.4937252	1	ाना
VL30 element	0.4330402 0.37030730	1	1			1,1886743 1,2448912	1.2448912	0.8060017	0.8060017 1.0323383	O OCERATER		0 9107943 0 9434092 0.9701166	0.9701166	1,0124933	e)
Phase-1 RCT-189		1.	L.	0.8377713	0.9787102	0,8389919 0.92811066	32811066	0.840/356	0.840/356 0.8/300(40 0.300)	0.681766		0.7745609 0.59833694 0.60731995 0.64645755	0.60731995	0.64645755	ري اري
Alpha-fetoprotein		1	1_		1.1137884	1.1711782	3.840130Z7	0.85094624	1.1711782 0.84013027 0.85044824 0.053555	0.7637627	0.81024	0.81024 0.80762145 1.0362389	1,0362389	1,0013584	41
Calgranulin B	0.7602400 0.0713140	ч.	1_	1 004016	0.9890334	0.9890334 0.95923924 0.8931444	0.8931444		0.9730550 0.8511.85	0.00400	0 0451082	0 9411082 0 90526897	1		œ
ın activator	0.96201944 1.0012003	002100	1	0.9449891	1.044144	1.00073	1.0703577	0.94108665	1.00073 1.0703577 0.941086651 0.3414504		0 76059735	A E740772 A 76059735 D 49314608	0.7382631	L'	<u>-</u>
Phase-1 RCT-195	0.94120270 0.00011304	1437624	J.,	ı	1.0053974	3.66232795	0.8158932	0.77145624	1,0053974 0,66232795 0.8156932 0.77145624 0.9064346			0 8753817 0 67793244	0.6557207	0.7510815	ω.
Liver falty acid binding protein	0.4/814133	1	ı	1,0365168	1,1747811	1,1747811 1,1615738	1,1097196	0.92761655	1.1097196 0.92761695 1.010333	- 1		13172411	1,2018703		ĘN]
Aloha-1 microglobulin/bitkunin precursor (Ambp)	U.8930201 0.9902204 0.05371544	O BCOCOOO	1_	1,0268998	391364306		0.9646902	0.93114745	0.9646902 0.93114746 0.6563348 1.1704.104 0.3144657 0.91298765 0.91409355	0.000000	0 03145657	0.91298765	0.91409355		Ξ
Phase-1 RCT-294	1.0000	000000	_	0 9481844	0.8804807	0.8804807	1,0243393	1.0851203	0.93824927	100012001	4 9445527	1 4283513	1.1802647	1.1973222	21
Phase-1 RCT-151		1	_	0 9907837	95372534	0 9902837 0 95372534 0.96729475 1.0168681	1.0168681	1.3915792	1.3915792 1.3359152	1					×
Phase-1 RCT-158	_1	1.0263024	_	0 0743303	0 0743903 1 117R569 1,1038841	1.1038841	1.1093571	1.0788866	1.1596407		- 1		4 4953467 0 88438374 0 96558356	0.96558356	(B
Dhase-1 RCT-224	- 1	1,028/501	05411460	1.341 1450 0.51 1200 1 1 0048981	1 0008981	1 1082361	1,1431226	1,0166095	1,0166095 1,0657519	1.1701856	0.00000		4 4404000 4 9510599	1 4717504	ষ্
Diego (DCT_235		_1	Second of	1,001 3044	201 3044 1.00 1.0	1 2931324 0.98902977	0.98902977	0.8868913	0.8868913 1.0091776 0.9226837 0.82013300	0.9226837	0.820139.0		4 ECA28A		ĕ
Consideration transmitter 3	0.95224386	0.9280197	0.91900380	200000	4 0377477	4 052000 4 0377777 0 93226147	0.7519623	1.0037076	1.0037076 0.99831504 0.9920586	0.9920586	_	- 11	0.40344858	0.4259973	8
Matrix metallionordelnase-1	0.7543654 0.74912508 0.74635357	74912506	74033337	0.000000	0 9044515	0 9044515 0.9792126			0.8249716 0.93796283 0.45871967	0.45871957	_	4 420727	1 0167435	1 0167435 0.9820968	88
Least perion 2 medition	t	0.6275845	02552518.	SOLEGE OF STREET	0 0405842	1 0936751	0.8627747	_	1,0068879 1,0500882	1.0894178	355	-	1.		Ī
Phase-1 RCT-212	0.8336432	0.8106836 0.8402120		0,300,130											Γ
(1) Gene expression data for 6 hour timepoint are															
presented as mean ratio of treatment/control for all o															
frour predictive genes (1 age 197.) (2) Compound and dose abbreviations as in Table 1.															TI
		1													_
(3) Individual enimal number														_	
(4) Liver inflammation dessification for compound-															
dose group at 72 h; yes-next, nextosis coserved; yes-															Τ
boun, necrosis wat minaminated to the property of the property												_	_		_
(5) Predictive gene (as in Table 18 and as included li	-														1
Table 26)															

		į				ļ							H	П
Table 28. Expression Data for 6 Hour Timepoint (1)				1		T		П	П	П	П	1000	50 00c VZV	9EN 250
	APAP 1000	AMPB 5	AMPB 5	AMPB 5	AMPB 20	_	AMPB 20 /	-1-	AZA 50	AZA 50	1831	33	8	2021
Compound-Dose (2)		441	442	443	451	452	453	1821	_		-		5	
Animal Number (3)			2	2	2	9	2	2						
Georg Name (5)				1000000	4 02/48660	602660	1 2503277	1,8426959	1.4774516	0.96005166	4.1866317	4.025772	12,340709	1.2612039
Insulin-like growth factor binding protein 1	25.693027	1.142369	1.1693323	1 2027224	1 6263807	1 1231719	12818065	1.3781147	1.8454348	1,6153513	2,2703047	12577282	3.630317	1024-4001
Gadd153	16.526773	1.2013534	4 000000	C7027967	1.0542092	0.9083367	1.0170882	1.1329833	2.0205326	1,6513811	2.5686285	1,814,1332	2 52784FR	1 1369338
c-myc	13.280829	0.8695/15	0 7416424	0.81958425	0.9686022	0.5280728	0.9487355	1,3648316	1,5692705	2.1763103	1.8875058	1 3695693	24141994	1.3124033
NIPK	3 243 1889	1,6617501	1,6574585	1,1471232	115961	1,9307734	0.94177028	1.8508434	1.4150/11	1 7216042	3.0181582	1.8490497	3.2434382	1,0135045
Cathebain L. sequence 2	23.974522	1.3190682	1.8091581	1.3499751	1.2124782	0.99133456	1.0430523	1 3078041	1 1161093	1,1228287	1.2617439	1.3744372	1,3791358	1.127207
Physical RCT-109	1.3460281	1,0242515	1.0495168	0.80846167	1.028637	0.7003701	0.787.2004	1 0989925	1,0237622	1.0614556	1,0583688	0.71998715	 :	0.86717083
Dhace 4 DCT-111	1.0846009	0.73285025	0.6069942	0.58731997	0.6376621	4 400000	1 1104417	3 245213	2.8587906	3,5685694	2.4148872	1.6894931	2,4476388	1,08193/1
Angelone molecte Massa	2.5246582	0.89763206	0.B0044144	0.60358864	0.90741587	1.136002	4 9487823	1 4060609	1,4392378	1.2146901	0.992736	1.1768041	1.1215229	1.2608365
DWA columenses hefa	0.6174904	1.4302952	2.0188913	1216729	1.2/3813/	0 1005784	O BARRE746	1 118774	1.0494144	1.0997434	1.0904802	0.7322285	1.1088268	0.901523
Phoco-1 RCT-403	0.96516585	0.8738756	0,67056036	0.654667	0.6161969	1 9652723	1 78R4777	1 2847769	1,0531095	1.0337421	1,115505	1.0365092	1.001074	1.0235556
Ribosomal prolein S9	0.86557466	2.0220187	3.4131818	2.2605135	1,508/65/	0 9278592	0.966586	0.9508581	1.0754355	1.0529852	0.9425945	1.2839592	1,0413443	0.9623/35
Dhase-1 RCT-114	1.1825589	0.9622203	1.1909779	0.943239	4 2275002	4 466384	0 78353965	1,595185	1.9458218	2.3901346	2.08598	1.8094372	3,72901/5	1.0159757
Phase-1 RCT-15	2,3381824	1.5342574	1.4600675	1,0381784	1 599325	1 0535439	1.1626041	1,444545	1.6986376	1,4569376	2,2329133	2.3857834	1.9290533	1.0715040
Macrophage inflammatory protein-2 alpha	2937391	1,3236535	1.97/18.1	1,0016.1	Cabosta.				0001101	2 2054307	3 7505817	3 0069327	8.855394	1,068388
NGF-inducible anti-prodict any purative purative sect erect	4.9241757	0.8824803	0.9914199	0.8134917	1.1299344	0.81174433	1.042277	1,9652187	1.814632	7 4810994	1 9559753	2,7819693	2,6380457	0,9696601
protein (PC3)	1.5642644	↓.	1.0754207	1.2623175	0.974412	1.0725801	0.8018/350	20041100	1 0156096	1 0368135	0,8610362	1.3054258	0.833008	0.99626875
Phase-1 HCI-191	1.5908298	1.3564237	1.4695262	1.5653467	1.3824797	1,2599431	1,004/02	4 4 62 53 55	1 1149114	1 0494864	1,1927036	1,0824836	1.4430145	0,80805844
Hase I Roll-to	0.67106956	3.0949068	3,1237872	2.247951	1.3581053	1,3206919	1.1002232	0 903494	0.95574033	1.0117502	0.8940247	0.83316797	0.9251967	0.96116745
Cydin Lo	1,0597531	0.97041476	7	0.8038865	0.6483832	0.5030040	2 444 2004	7992167	-	0.79297423	0.9067245	1.1824795	0.8992018	0.89190763
Priese Land Age	0.6624483	1.677726	1.8432947	1.9905152	1.5634303	2.2707305	V 04040894	1 5646025	1,179976	12561843	1,4510689	1.1586862	1.3823518	1.0299919
Obsert PCT-192	1,0228391	1.4617908	1,5890312	1.0923437	1.05/5/83	0 7841966	0.54515000	1 8957809	1,9019328	2.4566526	1.6907684	1,5872147	2.0907946	0.9638478
Phase-1 RCT-75	0.85219496	3 0.94853616	7	0.7282997	0.04336067	0.7484036	0 991 1739	0.92992777	0.95857745	1.0783294	0.83875734	1.0194608	1,0003153	0.93028200
Acety-CoA carboxylase	0.8982915	0.82524246	0.7076232	0.09007007	0 6432302	0.5981329	0.89562017	1.0535024	0.9943429	1.092894	12531961	0.7705674	37,002,000	1 2008536
Phase-1 RCT-95	1.115767	4 4067853	4 47 8 1200	1 0198696	1.3249461	1,1226556	1.0926937	1,0374554	0.89790636	1.0113964	0.7673816	1 4635863	1 431877	1 0397378
Cystatin C	0.30000	O 0000715	0 9731344	1 1293201	0.87193817	0.9526922	1.0402219	1.023024	1.2049912	1.4263420	1214/33	1 0420732	0.7827707	0.8522833
Phase-1 RCT-49	0.0362744	1 3040825	0.8697741	0.7147791	0.87176037	1,6930707	0.6655302	1.071988	1.2503/20	4 4700304	1 2076433	1.0828297	1.6210274	0.9032624
Phase-1 RCI-9	33 39898	7 1,6208329	1,9381377	1.7596792	1.3863268	0.91900617	1.1223677	0.563636	4 0577384	1 1007575	1,1933191	0,77486044	1,3400998	0.9483949
Gadd45	0.991623	3 0.95761776	0.7859207	0.76307	0.663888	0.6301033	0.86/6693	1.079300	1 4763737	1.4799713	1,2459217	1.3225822	1,5352149	1.0696995
Phase-I KCI-130	0.8731280	6 1,3016394	1,535686	0.910275	1.3297209	1.4565415	1,0000	4 503666	1 6771468	1 944247	2.8616943	1.4297763	2.5194345	0.9286578
Phase-1 BCT-427	5,61809	4 1.0991471	1.258863	3 1.140096	0.95428653	0.00130013	4 10356	1.082772	0.92494315	0.92245384	1.2443128	3 0.9552614	1.153597	0.9454289
Macrophage inflammatory protein-1 alpha	1.669064	1.01400	1.551517	1.659388	0 6484484	0 98927874	0.9505840	1,401721	1,6696238	2.3295126	3.3395176	1,7314243	4.9714455	1,001301,1
Zinc finger protein	7,303323	7 0.839090	0.890243	0.707500	0.040410	-	0.905432	1.011539	0.9643959	0.9584799	_	1.1488204	0.8450612	1,010303
Phase-1 RCT-73	0.614834	9 0.955438	4 075004	4 403624	0.9213638	1.4577339	1,304119	1.768278	0.992063	0.70148104	1.2314194	1.2014123	A11343/0	0 86817905
Glutamine synthetase	0.3012313	1,000012	2 286880	1 358113	12151390	1.1341035	1.136102	7 0.685366	3 0.93672603	4	0.00000	26428	44 4892845	0.9817183
C4b-binding protein	44 28224	3 0 981513	1.072193	1.202781	1.1666648	3 0.91385853	1.066566	1,50615	1.4995015	7.74470	2 2 84523	1 8633687	4.198423	1,0228636
Phase-1 RCT-242	6 07829	7 0.862152	5 0.916646	1.00452	1.054037;	2 0.8391864	0.94949	1.3452/2	4 200075	1 104005	1 1 060470	9 0.9927902	1.2657409	1.1420176
Prisse-1 KCI-50	0.622271	8 2.146507	3 2.284031	6 121996	5 1.097610.		0.8386849	1 227720	10191647	0.913421	1.4534758	8 0.910799	2275143	1.027478
Potentia bela 1	14.05552	6 0.847058	9 0.7886361	5 0.9811975	1.481142	0.007(032	٦	1 384290	7 1.4737716	1.553256	2.0792	1.3614697	3.5885916	0.84325/5
Institutive crowth factor binding protein 5	2.938227	7 1254174	1.162732	1.3553	1.040044		0 914956	1.828629	1.1816541	1.281722	1.467286	1.4906576	2.952709	1,0825353
Phoep-1 RCT-59	3,32071	2 0.9563983	7 0.998636	1 1.012683	0.905/32	0 507473	0.866885	4 0.855760	9 0.8948644	1 0.8881597	5 0.9011896	6 0.78704166	0.9105007	0.91601403
Phase-1 RCT-76	1,00106	36 0.8374485	4 0.655052	4 4 505 65	1 005258	1 842027	0,7052672	5 0.8699903	3 0.725927.	9 0.6381798	1 0.483285	0.572282	0.6/423403	4 0077427
Ferritin H-chain	1.8200	1.915955	2 4 404284	1 0 6035933	5 0.782382	3 1,7004517	0.717398	0.8004827	5 0.7922146	5 0.78346E	3 0.677959	0.5685135		0 91343546
Selenoprotein P	4 405024	24 0 8238375	7 0 7970162	1,027177	20886805	6 0.790796	8 0.97189695	5 0.9006563	4 0.881266	0.8/2/40	1 1 060585	5 0 8932877		0.82161283
PTENMMAC1	0.1330300	٠.	4 0 82450	5 0.753070	2 0.69472283	3 0.9738000	8 0.9269554	0 1.123272	1.054054	0.350039	4 0750BS	4 0 8549818	1,1001499	1,0571296
Phase-1 RCT-214	1 55719	77 0.6961146	8 0.751892	4 0.790778	6 0.965176	9 0.7211458	7 1023323	7 0.784893	10.000000	0 92058	050030	8 0,8063534	1.0715787	0.81628585
Phase-1 RCT-112	1 47788	13 0.9933321	5 0.934203	1.104844	2 1.013651	1 0.925245	6 0.9882353	0.96/10	4 72540	A 0.5549006	5 357232	2 0.6153744	4.2218914	0.98836243
Thyrridylate syrthase Phase 1 RCT-13	0.95037	1762156	1 0.77377.	1.40488	0.929939	1.161530	9 0.67.28403 0 1 034123	0.921582	8 0.883246	7 1 020852	0.6944890	6 0.86814976	0.77423686	0.553016
Nickersome assertibly protein	0,73189	54 0.875369	3 0.86163	0.933050	5 0.868/89	6 0 9291051	6 0.934131	8 0.86953	3 0.7980876	6 0.6896947	6 0.972878	7 1212064	0.46346357	0.9355
Cholesterol 7-alpha-hydroxylase (P450 VII)	0.529708	15 1.055737	7 0.73560	1,000,000	1 199017	5 0.894772	1.148718	11 2.16240	9 0.8493776	3 0.928515	1 222623	1.051301	1.25/0500	0.8120012
Vesicular monoamine transporter (VMAT)	1,3247	1.10/00	10 11 14 PM	56 0.96739554 0.9983	K 0.9963459	4 0.7918255	3 1.124620	0.82981	11 0.8383987	5 0.9536167	4 0.9226300	7 U.30230vv	1,000 000	D.October
Phase-1 RCT-260	1.05304	40 0,000												

00 2000	1000000	19090000	0.077000	0 00000000	1047400751	19675700	1 0000672	1 00074951	1 0001241	1 1163 3001	1 0360275	1 0761975	1 2074234	1 4123521
Domeirone security factor 1	1 250004	4 4400702	1 2454089	1 20167	90090334	1 0353998	1 0478987	1.5514.206	1,1259998	12721913	1.1060634	1 1059566	1.1065124	0.882996
Rowmington DNA changlase	0 82956405	10531216	1 0174788	1.2601582	0.9219414 0	90656585	1.0679612	0.9989176	1.097319	1,0081261	0.9629749	1,0342474	0.9680742	0.8997161
Dhaca, 1 PCT-R2	1 249107	0 83597857	0.856136	183658326	1,93895346	0.8374729	0.9958392	1.0018519 0	96005046	0.967578	0.8653934	1.0532188	33061525	1,0182207
Mater E/O	0 7882456	0.5412933	0.3546605	0.422474	65330756	0.5319337	0.844102	0.9783888	93827313	1.1847368 0	83877856	1.0881884	0,54598975	0.9419348
Phaea-1 RCT-184	0 6980284	1.0928684	1.0887868	1.071934	0.81340605	8224	0.7491912	1.3671069	1.3428528	1,5880066	1.4274393	1,330774	1,5037712	1,0231233
Phase-1 RCT-168	0.4552002	1,137693	0.9326424	0.8516197	0.8681976	1.2486448	0.8638769	0.7994278	1.1739362	1.118883	1.1318314	1,328074	0.6458857	1,0290341
Phase-1 RCT-119	2.119288	0.61837304	0.6522032	3.68553096	0.7172119 6	1.65870863	0.8814782	0.8668115	1.0765578	1.4023663	0.7980328 (0.87852764	0.63493925	1.2747958
Carbonic anthydrase II	0.90003556	0.9408738	1.0116212	1.1483839	0.7236764 (0.98286605	0.9773031 0	.51691186	0.5741208 C	386318475	0.478837	0.4764529	0.3904974	1.0573257
Tryptophan hydroxytase	0.6003673	0.9051482	0.8991296	0.77832096	0.83794236	0.8766744	1.0684847	1.0110428	1.0389007 (37928186 (0.69347215	0.90154743	0.62199575	0.9752254
Phase-1 RCT-71	4.228915	0.8593702	0.8316996	0.8483239	0.9963653 (1.80593747 0	97835505	1.424407	1.510902	2.0123925	1.332907	1,4250013	1,8319236	F 13.00
Phase-1 RCT-179	1,5035985	1.7008828	2.481638	1.4084326	6958723	1.0987834	2.1671374	1.9186268	1.6550367	1.8030238	1.0449046	1.1/42322	1.0441302	12200437
Phase-1 RCT-161	1.4579211	0.85848475	0.826/793/		200	0.00130027	0.0403124	4 100020	0.0430300	2000	4 4456205	4 4 7 7 7 9 4	2 4595083	4 0201077
Phase-1 RCT-207	9.332855	0.87953466	0.96169025	0.90559846	0.9386825	70150400	0.20/033	1./038/76	1.4230033	1,4300373	1.4 30233	4 0595777	7 90500413	1 0017067
Phase-1 RCT-144	19194092	1.3629977	1.68/0812	1.5/45/	1.1585/3	1,036/73	12054/4	2,0020/33	2007/002	2.08912	2.1333394	1,3020/2/	3 000000	0194898
Phase-1 RCT-225	1284452	0.62329596	0.74865/2	0.6/0.5335	1.19/863	1000000	1.20/283	7104617	2031/80	1.3040400	3.0034620	12002233	STORY OF THE PERSON	1 7745594
Cytochrome P450 2E1	1.3281869	1.2500467	1,23281/6	12680922	0.7065138	1.1402076	0.8020303	4 5040673	0.0217405	4 7000404	1 2756759	1 20/5/42	4 MARKAGE	87537557
D-1	2.0600/65	0.99604183	0.80294507	1,09C0C0	4 4002442	1,0223111	4 4848347	4 4040400	4 458R74R	4 0985584	1 1384579	0 920073	1 2581404	1 0934443
(LXII) T-UNDESCRIPTION	1.0021339	1.0304001	12.53170	0.63202010	21 3551.1	4 4426400	0 7474366	2752637	388R74R9	O BRIDGIA	124393547	0.26787757	3.20GR333	1.553966
Carbonic annydrase BI	4 2057/000	0.65/3/80	0.02407	0.44505	0.6250370	0 8820777	0837860	D BABAROA	0 9220974	0.9741981	0 9938477	0.86527914	1.0652868	0.839091
Company composed Ca	0.26086947	2 3615663	2 3569777	13407848	1 0038602	1.0931083	15822382	0 7165/95	0.768949	0.7399379	0.9734688	0,6656052	1.0230079	0.93567026
Gunkinase	0.5939342	0.96054274	0.95082676	1 2693534	0.7507696	1,0961038	0.9420203	12714854	1.3804253	1,5879945	1,2336694	1.3445233	1.3331839	0.91566604
Phase-1 RCT-173	1.1119214	0.8128848	0.8440108	0.9036412	0.8757276	1.82956564	0.8873627 0	76212245 (1,73376244	0.7417007	3,86507773	0.62752545	0.71132034	0.96161836
3-methyladerine DNA divosviase	1,1915566	1.0075295	0.9790894	1254566	1.0040635	1.0162656 0	94080514	0.9360058	3,91899065	1.0272398	1.0128808	1.0733867	0.9199286	0.83463186
Perodsomal multifunctional enzyme type II	0.58219266	1,4486805	1.4581461	1,1011746	1,0035414	1.4129606 0	1,89955986	1.7165074	1.4914567	1,1491429 (7,99828935	1.2787249	1,2739726	1.1217132
Phase-1 RCT-40	0.38357046	0.9208795	0.95537245	0.62950134	0.84176517	0.8418249 6	78605825	0.9231428	0.8862413 (0.93947774	0.7365719	0.83918595	0.84908646	1.1095096
Senescence marker protein-30	0.20655118	1.3086267	1.5239292	0.8273349	0.86917895	1.223318	1.1914744 C	0.56897676	0.6076436 (0.44403762 (1,31511304	0.5811751	0.56568474	0.8990287
Cyclin G	3.6087186	1,5188445	2.003793	1,3158327	1.8473654	1,0757948	12298648	2,7765043	1.8117791	1.9583093	1.618783	1.471769	3.109558	0.9288543
Melanoma-associated antigen ME491	0.9264899	0.9772607	1.085368	1.1645416	0.9030044	1.1117862	0.9829512	1 2925025	97257626	1.3121358	0.9265357	104342	1.0614648	1.00000
Phase-1 RCT-28	1.2451499	0.9326048	0.96209687	1.0794252	0.82909557	0.96049833	1.0429353 (90101234	0.836/725	1,006/9/8	C. 035C.	1,0341203	4 2757400	0.000000
Emertin	0.84493843	0.8274536	0.7654446	0.7690954	0.84003/84	4 002024	0.05/14/29	1.1213528	0.4702224	0.8500804	1.1230312	1.0540250	0 0069736	78147507
Acond denydrogenase 1	0.27033322	1 0001287	1 1375046	1 92365324	1 0290661	1 0564723	1 1428571	0.9192463	1.0276536	0.8636892	0.74617	1.0709616	0.68775254	1,152533
INIC street activated nonteln kinges	0 54435843	13271211	1 1820834	1.1120853	1.0734831	1.3450413	1,1976913	0.9256683	197264063	0.8957556 (7.71652853	0.9704981	0.6598767	1.0961886
Protein Ameliae phosphatasa sloha	1,5261219	0.96790123	1.0263965	1,0561634	1.1967123	1,1317316	1.2407282	0.9027887	0.9242438 (0.86719656	0.8980236	0.9694695	0.94674426	397804706
Phase-1 RCT-55	0.74912405	0.79590917	0.8638118	1.027643	0.91201466	1.1281852 6	1.99275845	1.0631729	0.846477	0.8554151	0.7659817	0.76188797	0.023519	1.0626472
Ubiquilin conjugating enzyme (RAD 6 hamologue)	1.0204965	1,682641	2.6777277	1,7114688	1,3161446	1,3883181	1.0068028	1.1597718	1.057868	1.1671858	12701374	1.104426	12518088	1.1215034
DNA topoisomerase I	0.30756998	2,3251815	2.4081612	1.3893541	1.0614594	1.1225266	1.6506701	1.6180353	1.4717432	1.2958986	1.238216	1.2639783	1.4134/38	0.965/006
Phase-1 RCT-280	0.9858027	1.0481311	1.1514975	0.74340295	0.98377055	1,0/49662	1,03130/61	1,78279334	1,000012	0.74390304	1 03944613	0.03210007	1 1507824	4 005657
Superaxde districtise Mn	7.2601848	1 0587042	4 4770519	0.058498	1 2239285	1 1280898	71428573	3 0896769	3 0734763	3 1595773	2,6005182	22041762	4.0310283	1,0620667
Cartanul chaschata sunthetase (0.72171015	0.3617672	0.38240057	0.27228725	0.5063888	0.5062072	0.8467111	0.8915273	1.1336185	1,5629963	1,87492317	0.6483326	0.7560274	1,3020518
Discyclycend kinase zeta	0.9434735	1.0783653	0.70538354	1.2733774	0.9206715	0.83861905	1.0695323	1.1364241	1.1563531	1.0469797	0.964165	1,0698678	1.0295401	0.7771434
Phase-1 RCT-141	3.1235585	2.7848215	4.804972	1.9742996	1.7929631	0.9200452	2,005483	0.9237409	1.2570263	1.4733382	2,5663831	1,5281273	4.363295	0.971204
14-3-3 zeta	1.937108	1.0919333	1.1656483	1.1036241	1.123189	1.0312692 (38851633	1.3276582	1,5320332	1,8057389	12555195	12691360	1,4776324	1,50432316
Gamma-actin, cytoplasmic	0.46089923	0.92346996	4 4036796	0.855868	1 116180445	1,300009	1 2072671	3.387/416	1.7134040	1,030/400	2102125.1	1 0175058	1 0575814	1 0361423
Mooding protein List	0.7736987A	2 3004007	2 2728453	1 6618462	1 4184108	1 5830529	1 2481897	1314826	13186173	1.1589574	1.0021608	1.1750097	0.9835529	1.1486298
Phase-1 RCT-65	3 0537066	0.7746588	0.7258351	0.8514756	1.0328242	3,83600885	0.9434525	1.8876643	2,0520449	2.195232	1.4784111	1.6742237	1,7555109	0.9429258
Calin	19.5575	0.9031206	690606'0	1.1666566	1.3716072	0.7587181	0.9435775	1,9331286	1.8582604	1.8694681	2.2903016	1,9724668	2.8356294	0.8907335
Protein O-mannosyltransferase 1 (Pomt1)	3.05114	0.6646635	0.64345783	0.57487696	1.2544726	D.68011856 C	1,88065106	1.7654039	1.8835009	1.944999	1,5608617	1,7544655	1.7949226	0.7281658
HMG CoA reductase	1.1848314	1,596966	1.3523749	1.5548683	0.8643844	1,1157784 (3.98550725	1.1545228	2.144159	1.6983072	2.1295087	1.60383	2.0639763	3,88308716
Phase-1 RCT-12	1.3775893	0.98603517	0.9617191	0.9907954	1.1194167	0.89685 (3,85017425	1.2518442	1.3489261	1.6257695	1,3695155	1.1594118	1.0884.855	0,8533044
Interferon related developmental regulator iFRD1	9 338897	1 0884724	1 2428341	0 9731662	1,1907465	0.8377063	1276896	13465952	1.2087835	1.1382556	1,3226851	1,1391714	1,674688	12101073
Chickerendated amtein 78	1.8555754	2 257 0465	3.7028468	1,6767969	2326779	1,0153683	2.22306	239341	2,169545	2.871626	3.1903303	1.1541747	3.433728	0.9406298
3-beta-hydroxysteroid dehydrogenase (HSD3B1)	0.8355773	1,2955503	1.2154696	0.78528714	1.176074	0.9469906	0.6587974	0.9125461	0.9045486	1.0175962	1.004205	0.9554967	0.9176639	1.176781
Caspase 6	1.8847111	0.9848758	1.0501101	1.0324492	1.184548	0.85323715	1.0167674	1.493948	1.3798392	1.1501068	1.0802578	1,0356654	1,3100941	1.1288208
Phæse-1 RCT-169	1,5242406	0.8890423	0.95680585	1.1000484	1.6461843	0.723598	22146275	3.69012916	1 070577	0.8080251	1 1785755	4.03.406.23	1 207063	4 057768
Prase-1 RCI-197	3.551137	0.9328673	1,0309001	10211311	1 0204647	0.0220021	1 0308520	1 8435344	2 4603044	77607077	1 2272075	1 1408653	1 0090904	1.0986434
Phase-1 RCI-34	7.344511	0.780307.24	0.03/6/445	0.94073010	1.0304017	0.041307.4	12380323	10400000	Z-4030344	1,1001.01	1.000	111111111		

												0110100	4 4000524 0	DEDESTOR
Disco. 4 DOT. 72	1.1270634	0,81064034	1,4478388	1.0226473	1.1521875 0	.80045205	1.0341616	1.0191278	1.1676978	1,3555491	1.670/041	0.9350559	1.4900331 0	0584176
Deposite kinge meda	2.0649593	0.98296684	0.9290081	1.0119042	1.0804341 0	99301267	0.9387756	0.9379457	0.9811322	1.0238789	1.1094802	0.7730301	1,0320435 A 15A 207A	3221117
Dheed 1 PCT. 288	0.4865789	0.678546	0.5623979	0.45029056	0.6298441	.81769294 0	.94062746 0	.59446394	3.583/0085	0.6739273	4 40364	0.9030408	1 0355412	0.9054029
Phase-1 RCT-90	1.6370326	0.87235075	0.8943223	1.0785301	1.1808223	.81903607	1 0872588	0.8872805	1303001	5000000	CE44043	0 00080893	0 6816198 0	96264374
Cytochome P450 2C39 (alternate clone 2)	0.31730652	1.656258	1,7984773	0.57481205	1.3690077	8	1.2801194	1.0184459	0.7863035	4 2540444	4 4489007	1 058513	1 0196661 0	90527445
Phase-1 RCT-290	2.0467283	0.4081156	0.33691332	0.3760965	0.6994691	0.40185195		0.9031921	1.1003012	4 1889006	12101206	1 0019212	1,3563955	0.9307163
Phase-1 RCT-261	1.1238766	1.1917425	1.345035	1.0762855	1.1667501	0.9787126 0.92983943		0.8039020	1.0033421	A 60184675	0.7867583	0.6030959	0.79053736	1.0624149
Methylacy-CoA racemase alpha	0.31182665	1.1689228	1.2820095	0.6140544	1.0096537	7207298	1.2104062	4.03639700		i E	23804	0.76339096	0.65042394 0	89060366
Cytochrome P450 1A2	0.7784152	0.8958068	<u>∵</u>	1.1748666	1.1443735	0.8518445	1,034920	1.1313730		1 1619775	19231491	208278	1,4802858	0.8496137
Phase-1 RCT-297	1,5759977	0.87072814	0.92959243	0.97940854	0.94069794	1 2010200	1 350114	71367145	0 84936094	0.7833867	0,67513436	0.671101	0.86316574	1.1188223
Monoamine oxidase B	0.41476166	1.2834485	1.05/6/08	0.86540735	1.6503501	4 4764406	1 4596695	PERS 0.76913	1295	0,849257	0.69446903	0.6684578	0.66592014	1,3094944
Phase-1 RCT-264	0.44563153	0.93325196	1.0929441	0 9780455	1 0186231	1,0364383	1,0749035	0.8753398	0.9635546	0.9376665	0.6250203	1.022725	0.77756566 (71602327
Peroxisome proliferator activated receptor garrina	7.303940	1 2052460	4 5402464	1 2751 194	1 0323515	13532991	1.1453774	1.297448	1.1816541	1.1258025	1.0188941	1.0854589	1.0536867	1,099195
Phase-1 RCT-143	0.0300097	1.2032433	0.04052014	4 0350254	0 6233853	1 2602886	0.91904765	0.9932484	1.0361131	1.0500282	0.9766326	1.0266851	694137	1.0761899
Phase-1 RCT-251	0.5703300	0.9133403	0.707746	n 7105263	0.52758336	0 7865305	0.9677134	0.7227265	0.7350713	0.9008772	1.0312876	1.0307317	0.6899519	73594975
Phase-1 RCT-117	0.98399293	0.7316636	0.7007	200	942543	0.89607763	1.0196079	1.109777	0,7591873	1.111818	0.7497097	0.77145815	0,5806507	0.88639575
Gtutathione S-transferase theta-1	0.6145523	1,000,1054	4 7447033	4 0553405	0 9830578	1 193324	89684093	1.0791873	0.8672518	0.9471337	0.97824466	0.9109735	0.90342766	1.0883939
Phase-1 RCT-91	0.3003018	70434693	0 6043307	0 R223403	0 7021088	0.7392908	0.95671004	0.985635	1.1176791	1.1531528	0.8886421	0.81133455	0.73551697	1.035/208
Phase-1 RCT-148	0.77333000	0.70151005	40004	0 070/273	4 0488943	1 2545042	1 0793651	1.0426908	0.97506046	0.9108194	0.8543712	0.9995166	0.93164194	1.1150/2
Phase-1 RCT-142	0.535337.5	1.18/0054	0.0506445	4 0665905	1 0484874	0.8829363	0.9114983	0.94592166	1.0235864	0.69926356	0.9210536	0.9986143	0.8803835	0.92032
Activin receptor type II	1,623,883	0.0373303	0.5000410	0 50000	0.402308	1 1164584 (57802594	0.9477908	1.2047259	1.6010454	1.4196577	1,3138474	0.89362645	97412785
Glycine methyltransferase	3003	0.0430/4/3	0.045001	0,0000318	200000	D 82000137	4 0403464	0.8487415	0.8657021	0.872004	0.89652574	0.72681546	0.9400702	0.8795233
Phase-1 RCT-281	0.6975885	0.92913646	0.6130/41	4 4404205	4 42544	4 0404746	1 0586227	0.8499586	0.8213	0,8287626	0.9824239	1.0379542	0.97659075	1.0364267
Ciliary neurotrophic factor	0.7847621	1.3152.20	1.1011403	1.4104535	3	1							_	
Gap Junction membrane channel protein beta 1 (spr.)	, ,,,,,,,,	0.4446078	0.24162261	O 3036RGER	0.59033144	0.51308393	0,73067915	1,3240908	1,206796	1.6278256	0.867274	2,573511	1,306,3627	0.91182343
	4 2070620	0.044.204.72	1 0179655	1 0028254	둻	0.9119008	1.0123734	0.91924626	0.8237883	0.89635336	0.934019	0.8726135	0.98635015	3633535
Phase-1 RCT-95	0.000120.1	4 0446670	4 2017545	O R014578	0.97599334	1.1189847	0.9604863	1,3184599	1,2379296	1.0079588	0,9783564	1.1718795	1.1520829	1.02/8413
Phase-1 RCT-287	0.56426240	7 4035030	1.8315237	1 4766759	0.8942712	2882745	1.0847125	13273708	1.0667819	0.96321785	1.0111849	0.9205956	0.908638	1281082
Retinol-binding protein (KBP)	0.4676769	4 4807035	1 3284687	0 904034	1.0803976	1,5865602	0.8209188	1.1367549	0.9125499	0.71915	0.6446575	0.8833154	0.73130286	1.1/1.03
Very long-chain acyl-CoA synthetase	0.445/3200	4 454043	1 478963	1 0799348	1 2391825	1.1093043	1.2659124	1,5068063	1,4358848	1,3194145	0.84798217	1216393	1,0439758	1994/0204
Syndecan-1	4 66540R5	0 96459335	0.8905747	0.8348735	0.8573337	0.89316785	0.95037603	0,7767363	0.809139	0.78322446	0.81349677	0.8765219	1 5070745	1.1308031
Statistic	0 82637145	4 4824891	1 8409883	1,6127875	1,34339	1,2111082	1.1351352	1,4891196	1.4558438	1,441694	1.3787352	1.308/633	CL/8/801	130003400
russe-1 reci-145	1 1133381	0.7136049	0.730071	0.67394686	0.763253	0.72340727	0.9474244	0.9127267	0.95188725	1.0978159	0.9048//36	1.0535175	0.0000000000000000000000000000000000000	0.0646773
Adn	0 78185034	0 7090136	0.49040908	0.46222076	0.7510386	0.66308475	0.90836656	0.84609216	0.9241613	0.9814729	0.80345454	0.9151846	4 452534	4 4674053
Printed and and a district of These	1.0102949	1.11326	1,2759304	1.2022578	1.1440581	0.9110837	1.3080571	1.384101	1 23/868	1.11204	1.1001102	4 0630623	1 2363003	1 355085
Alaba 2 memorahalin seniane 2	2,5765734	0.8671539	0.8802449	0.90534544	1.25346	1.0107871	1.5569087	1,23391	1.4344763	1.5226294	1.1021414	0 0046067	0 89385228	0 9820424
Descar DCT.204	2.150679	0.94732416	0.9503516	0.9016564	0.94740075	0.98558605	1,0119572	1.0174831	0.9111267	0.5655476	4 7050056	4 2782/05	17190264	0 84383434
Vescular endolhellal order factor	3.565122	1.2748531	0.9409265	1,0896679	0.941458	1.0059024	1.2088789	1.8517786	1,91811	1.7 35005	1,7000000	410433	200	
NADP-dependent (socitrate dehydrogenase, cytosolic		_					0.0000000	0.8770755	1 0084207	0 7856684	0.8014894	0,968227	0.5438233	1,0739686
	0.5276151	0.86601967		0.73307025 0.57792455	0.8402528	1.1019773	0.3003002	4 7020413	2 2845516	1 8257095	0.85134524	1.140136	0.74135846	1.191435
DNA binding protein inhibitor ID2	0.9326462	1.1299212	1.2763559	0.8604415	0.73383	1.2999191	0.0744524	0 72535306	0 5920485	0.7889705	0.45257792	0.46778805	0,5210805	1.635672
Glutathione S-transferase Ya	0.608500	0.5303777	0.756501	0.40641618	0.0024034	0.8203004	0.020138607	0.8774376	6 0 780309BG	0.899084	0.24989893	0.8351132	0.6622634	0.9173607
Epoxide hydrolase	0.56241614	1.0766021	1.4635006	1,35/6814	0.041/021	1000000	4 444 2272	73585646	0 74845284	0.594531	0.41177523	0.5190564	0.47638163	1,3187096
Insulin-like growth factor I	0.4609770	0.8359698	0.6988878	0.56170547	1.1440233	4 03777090	702725100	23151655	2 2939987	1.1340225	1,7790893	1.4076725	1.4433682	0.8104834
Prostaglandin H synthase	1.171647	0.999536	0.6356263	7.0966120	0 76798254	1 0258474	0.86882055	1.1186348	0.7314617	0.8023424	0.7932643	0.7932643 0.58077666	0.76847464	1,0626395
Phase-1 RCT-136	0.596210	4 446347	7 4 7845519	0 8307032 1 12	1 1269636	13191638	1,566525	0.6406204	0.6738944	0.68506473	0.64412576	0.5949351	0.64463705	1.3020117
Phase-1 RCT-137	0.4033/01/0	0 8079115	5 0 R251261	0 7420924	0.872463	0,8329907	0.9750119	0.9557554	1.0177152	1.0223781	0.9571119	1,2668196	1.0461797	1.0784032
Phase-1 RCT-138	20100177	0.03/3110	4 044831	0 7719779	0 7719779 0 91356915	1,0506127	1.156165	0.7609217	0.7874989	0,5321772		0.7685212	0.5692025	1943/6/
Hepatic lipase	0.490932	0.97.5466	0 9784027	0 9304013	1 2397183	1.1192372	1.0321751	1,0115025	0.8027701	0.8056827	0.5841584	0.87300116	0.6045938	1.1/6/622
Phase-1 RCI-164	7 0 00000	0.787654	0 810173	0.5304003	0.92088395	0.5877654	0,86015046	1,0409663	0.8297838	0.7903627	0.64912903	0.6550823	0.8500383	700007
Acy-CoA denydrogenase, medium chain	4 937350	O BOSOMA	0 7593909	0 42438245		1,0921086	0.957775	1.9369853	2.0372508	2.0507724	2.0402963	1,3968016	1,5669423	1.5/24303
Giulatrione 5-rearsterase 102 suburin	777-077	0 973541	1 073806	1,3381252	1,052803	1,0013713	0.95652175	1,010559	1.0304606	0.89964014	1.123/75	0.828/832	1.1402030	1 0404007
Carbony reductive	1 264945	1 123225	2 0.8781964	0.5091053	0.9945768	1.3061672	0.88116604	2.0472202	1.4795858	2.090478	1 2327822	1./(135389	0.62802443	4 4028069
Another Figure 1	0.5438654	1,38607	12877986	0.73371845	0.9020439	1.1396095	1,1485865	0.6305002	0.6122864	0.510/331	0.75637797	0.30124304	1 1765289	0.8412697
110Police impostitansferase	0.591508	5 0.527996	4 0.4721397	0.24689409	0.7649421	0.502373	1.4560981	1.2034868	868 0.78655365	0.350,50104	0.3614310	0 8917963	0.43096185	1,0245283
Glutathione S-transferase P1	0.8334780	3 0.852882	1 0.8657307	1.0889838	0.6877288	0.92706764	1.0192147	2 5334575	2 4098926	2 8650613	3.931776	1,1863815	6.954755	0.9364661
Disuffide isomerase related protein (ERp72)	0.628567	7 2.078410	4 2548537	1.6779268	1.6/6323/	0 4532/00	1 005678	0.8858166	0,88707906	0.84758496	0.60840625	0.91493446	0.6379662	1,0894837
Ribosomal protein L13	0.7478105	0.593902	4 200525	4 7880124	1 877324	1.124	1.7877328	0.52690315	0.7759015	0,6316193	0.83519095	0.6673271	12168888	0.8687579
Ceruloplasmin	4 038903	7 1 127598	1 060485	0.5022311	1,1112427	0.5473305	1.1298928	0.7393725	0.9491601	1.1715378	1.5065631	0.82288396	1,777,1977	0.8282253
Infarathna-Informetion of the service of the servic									1					

										000000	1 POOLOG P	130707000	0.0007061	4 0555775
Phase-1 RCT-3	1.3743453	1.0044359	0.949143	1.0452516	1.0384188	0.9064705	0 88130101	63300700	0.0334009	05001033	1,087919	0.7770545	1 5592589	1.3715662
Fetuin beta (Fetub)	0.72126925	1.0083501	0.8416591	0.6742732	0.9531904	1.44/2000	00004406	0004000	0.00034	0.8788717	0 5565575	0 6159303	68429023	1,245993
3-hydroxyisobutyrate dehydrogenase	0.8476232	0.89220228	0.8057738	0.622/622	0.8352633	1.00357.3	3030103	0.0031000	B0410007	7859594	70016474	0.90471435	0.8205529	1,3695812
Carbonic anhydrase III, sequence 2	0.6186368	1.0473332	1.0219154	0.64216334	0.8337400	07000133	0.0000000	7204476	0 848/0014	0.7074504	0634599	0 58452624	599622091	1.2059239
Phase-1 RCT-10	0.7133048	0.76411927	0.6743442	0.4826478	0.7023182	19/093423	1 10081	0 4205348	0 563899	0.5895039	0.5600661	0.47660288	0.5874438	1,8916885
Apha-2-microglobulin	0.7053761	1.20474	1.1413927	0.6206997	J. SSSSSSSS	0.000000	1 0747754	7139803	0 8205758 0	93055516	0.77934706	1.0215687	0.6662465	1,2337215
Dynamin-1 (D100)	1.090/103	0.0042943	1 2500048	1,004/4000	0.0000000	1 1038467	1 1746032 0.51	51830053	63905174	0.547069	0.5863461	0.67782503	0.6708551 (91191363
Lysyl oxidase	0.93763184	1 29 13933	VEU15067 0	0 3470648 0 5	391448	0.58117874	.85838655	0.9213716	1.1331881	1,5431523	1.0720885	1.023372	0.7476545	1,2247983
Phase-1 RCI-252	1 2319651	0.95141584	0.89531094	0.7823151	6897886	0.71924496	1.004762 0	0.91277814	1.0499356	1.0519266	1.1678016	0.9844519 (0.94312847	30038335
Oberes 4 DOT 278	0.5750925	1.8925415	1.2836616	1,2828234	1.5458994	1.0920068	1.0982319	1,0002745	1.0060873	38074454	0.8633427	1.0845611	0.7655061	S 2007
Phase, 1 RCT-42	0.9512016	12021692	1.0740331	1.0355434	0.9729044	1.295626	0.87043196 0	0.99227697	0.9748972	93220246	0.81665945	0.9511357	0.8144032	4 043725
Phase-1 8CT-25	0.9946087	0.9017845	0.8991442	0.88365084	0.98963255	0.9934556	1.0963995	0.9201236	200	1.1/83338 0.9/	20102010	0.007,0000	A 4552205	4 1733728
Cytochrome P450 2C11	2,3695393	1,0548717	1.3714658	12260791	2.5876276	1.1464881	8	57410204	0.6788952	0.80/5606	2010/0	3 2	0.4303203	4 1843557
Phase-1 RCT-202	0.81533766	1.4248308	1.2302636	0.7740123	1.0685716	1,297,8861	0.7537882	12897406	1,2563585	1.1691331	1.85825270	0.93022043	4 2466204	1 1813083
Complement factor (CFI)	0.7164054	1.5675254	1.814279	1.0806887	1.1049129		0.95748544	1.0510322	1,3367311	1.4465699	1208031	1 1976/74	2700007	0 925218
Profferating cell nuclear antiquen gene	4.7867675	1	1.067941	1.281485	1.1246222	0.93111795	1.15865/1	1,5951552	1.403924	1.30/4008	1,20,202	4 2744224	4 8537056	BE314716
Activating transcription factor 3	13,563021	0.8046288	0.6905121	0.9192277	1.095002	0.67236567	0.9440995	12245198	1.1798467	0.94040704	1.0304041	1274135	CD27242 4	97276807
Focal adhesion kinase (pp125FAK)	0.8085918	1.4233799	1.5486678	1,3978257	1,0656973	1 2227253	1.025/143	1,3348/63	0.000000	0.0874055	71003935	0 98289707	0.6705493	1.1287707
Phase-1 RCT-289	0.62027353	1.005513	0.7725764	0.6248746	0.8313635	1.1800130	1.0104912	4 4405433	1 1403254	1 7493521	1 6618935	1.4259177	1,3261403	0.9557381
Phase-1 RCT-259	1.0729604	0.9665886	1.3023942	1.1462171	1.18/8041	4 4400350	1.07 02003	1 131405	0 97580653	0 9853613	0.5843121	0.86034924	0,8367039	0.9857332
Iron-responsive element-binding protein	0.47050974	0.98774815	0.8936464	0.93990314	1 2520840	0.8170300	0 7750866	1 3714314	1.4968697	1,7525383	13104522	1.4503052	1.5033327	0.9030065
MHC dass I antigen RT1.A1(f) alpha-chain	1.9732566	0.66140895	0.49871746	0.6462661	1230000	4 4705743	4 AEB7874	1 E4E10374	0.8170809	0.73324275	0.4610659	0.7427851	0.66736895	1.1714375
Any sufformsferase	0.49201223	13343637	1.1594530	1.060/155	0.9092337	1 0361124	0 8947736	93155634	1.0180342	0,88165575	0.852727	1.0811616	0.8559542	1.0916204
Phase-1 RCT-171	0.78/305	0.5662.5545	0.92705073	9000000	0 8430495	1 1420541	1 0041841	0.9850754	1.3464019	12454596	1.0056111	1.6854436	0.8563356	1.2902595
Phase-1 RCT-83	0.64231324	0.074754407	0.97037444	0.0300203	0.5383752	0.7734579	0.841639	59970605	0.76560587	0,7838587	0.5242405	0.660677	0.61212057	.98950297
Phase-1 RCT-270	0.41224638	4 9964067	4 0054774	4 1254433	4 1581318	16104338	1 1733413	1,690002	1.4669117	1.071581	1.1815946	1.0984317	1.2537694	1.1015258
Colony-stimulating factor-1	0.65644604	750100010	P1292421	1 0440445	0.0583561	0 92789334	0.9970031	1,1570144	1,113717	0.9885076	0.79694366	1.0963053	0.75632423	97257166
N-cadherin	0.5024009	0.92003/03	0.00002330	0 91709167	0.83780428	0.7916305	0.8992249	1.0517057	1.0197958	0.863068	0.76596726	1.0543134	0.7324674	1.0728682
Phase-1 RCI-62	0.8432333	0.8585586	1.067941	0.95112294	0,931545	1.0772406	0.8571429	1	0.99287146	1.1179086	1.0325992	0.84274215	1.1490374	0.9039048
TIBSE-1 RUI-KK	0.928106	1.207276	12777036	12967584	99296560	1,7388157	0.89455783	0.8295817	0.9680952	0.91750973	0.93171555	1.1079845	0.9153247	1.0514488
Phase-1 RCT-18	1,2883968	0.8642171	0.85159075	0.87176675	0.8827526	0.7787737	0.9760619	0.9811609	0.9620071	1.0106235	1.0081054	1,0918618	1.120860	0750707
Phase-1 RCT-123	1,6174935	0.9704918	0.91926277	1.0474521	0.99437668	1,0256511	1.0416667	0.8451823	0.9029953	0.9943503	1,059/363	1.0278478	100000000 O	0 8947318
Phase-1 RCT-66	1.0235984	1.093479	1,1791749	0.8524781	1.0047045	0.8908374	1.1853282	0.78276336	1.1810813	12220304	12023703	1.1022330	0.1000000	
Equilbrative nitrobenzy(thiothosine-sensitive			0,000	,000,000	0.05430354	4 4494008	0.50036815	0 6744630	0.6049099	0.7874484	0.6664091	0.662926	0.6283666	1.3276206
nucleoskie transporter	1.7791473	0.93274695	0.94943553	0.82861924	0.85138304		778447	1 2287150	1 0480173	1 0024647	0.873567	0.7543694	0.653521	3,75222356
Glucose transporter 2	0.42668447	0.7946722	0.64006925	4 2200472	4 7054486	0.97.34808	0.070	2 270596	13439162	12796079	1.0581324	1,4956954	1.0559974	0.9539934
Mullidrug resistant protein-2	0.83841586	4 400056	4 04236	1,3203413	4 6789558	1 0944777	0.99047625	2334155	1,3908318	1.4073464	1,2158796	1.5808053	1.1196519	1,0254995
Mulidug resistant protein-1	1.2040691	0.60453794	0 52180135	0.5785721	1.0615959	0.8384444	0.7689714	1.431348	1,6243811	1.5606008	1,2107654	1.3904495	1.2774831	1.1497607
Prospiratoyethanoamate-oritoing protein	0.9261526	1,1245903	1,5313661	1.1830257	1.0862778	1.3785092	1.1601357	1,3873124	1.238912	1.422806	1,5331253	0.9501948	1.5225412	0.92153114
Intensic help-4	1.9693465	1,1497985	1.1594355	1,3351285	1,0219454	0.9407176	1,0677212	1.1951314	12843355	124664	1.475375	1.0460160	1,303330	0030007
NADPH cytotheme PASO ordeneductase	5.875181	1.0053422	0.99591017	1.099704	1.2920172	1,0924181	0.9194805	2,1574767	2.3715277	3.1294367	1.43/0009	CLEARING 7	4 50mm	0.000,000
Wafi	1.9543264	1.2103537	1.2797658	1.132152	1.2053251	1,0665038	1.2131243	1.0069392	1.0495809	0.945364	1.227199	1.4000122	1.300.3020	85382146
Endogenous retroviral sequence, 5' and 3' LTR	0.83932567	0.46470773	0.5656837	0.38282225	0.8805447	0.3791176	0.9393628	1.302/282	1.1930423	1 1177629	0.9865092	1.0907025	1.0831145	0.8203286
Phase-1 RCT-53	0.9647411	0.81300026	0.7469475	4 0027780	0.50316334	1 0555438	0 9419785	12310861	1.1389753	1 2291106	1,088693	1.2388033	1.1128609	1,0607703
Phase-1 RCT-54	0.81/13/3	0 84347007	0 90182215	0 R6807137	0.7352377	0.5805061	0.8460318	0.8225272	0.79349506	0.98095137	0.9070772	0.6032159	0.9837635	0.89455384
Prase-1 KCI-240	0.4955213	1 4651803	1 6873997	1 2242591	0.9616362	1.1552677	0.93675214	1.2848251	1.2277347	1.2673945	1.0801473	0.8628589	1.2037107	1.1781437
Omanic axion transporting polymentide 1	1.0309296	0.8411975	0.8562058	0.86540735	0.91264594	0.9547658	0.8157725	1,4730916	1.6277286	0.8615454	0.791054	1.06609556	0.8960297	10334607
Phase-1 RCT-241	0.96773255	12141725	2.1719458	1.3555657	1.1661302	1,0698792	1.3508484	12412869	1.0137258	12250859	1.3629199	00/2021	1,0532/1	4 0007040
Tissue factor pathway inhibitor	0.8963595	2.8182917	2.7914026	2.1868858	1.3510365	1,3157197	1.2084757	0.76620956	0.8802903	0.850/5146	1,00000	0.00001194	1.1301213	
Cyclin-dependent kinase 4 Inhibitor P27kip1 (alternate	1	2000	99 600000	O EDAARBO	0.8976039	0.41584968	1 001443	0.9089422	0.8530853	0.90628827	-	0.76401657	0.9643034	383998835
clone)	1.9060335	0.6231633		1 0770904	1.029685	0.88785493	1.1863354	0.8624973	0.8942518	0.953292	1.0760396	0,88962626	1.1087911	0.9303517
Phospholipase D	4 432H 524	0 9049484	1 084882	1 054584	12504222	0.77304065	1.1284997	1,3405852	1.2880008	1.2094142	1.4341855	1.1046083	1.7542093	3.98322177
Prisse-1 RCI-38	0 79951066	0.9618374	1.0778968	0,91489094	0.9128715	0.90915745	0.8972205	1,2021208	1.2249795	1,3444382	1.2371739	0.94874394	1.4500786	1,0142974
Pridate-1 NCT-413	1,7002923	1,2021859	1.3608607	1.1390978	0.8803819	0,75988257	0.90165925	1,1955097	1.2925789	1,5084445	1.3624423	1.4531258	1.6304/33	1,011432
Adenine nucleotide transforzator 1	0.6326571	1.0952837	1.2834783	1,3268446	0.90966244	1.3419259	0.94676375	0.869974	0.77470165	0.8305087	0.7846250	0.0122970	5 3 2 0 0 BQ4	1 1447515
Alpha-1 acid glycoprotein	0.7887134	18.988672	20.05901	12,229012	4.600723	1.1372691	5,77593	0.92530173	1.221/869	1.3247751	1 20756	0 7733165	0 79837276	0.93879354
MHC class II antigen RT1.8-1 beta-chain	2.1015937	0.7916152	0.7554927	1,0069507	0,80888945	1.UB364651	0.849/21/	0,55243765	0.842033551	I ANGELIA I	1,401 00	711		

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Organic cation transporter 3	0.7247326	1.5818412	2.1345587	1.4614248	1.1886784	1.0942092	125032	0.9820307	0.9820307 0.94619545 0.95421267	0.95421267	0.9929005	0.9757281 0.87730217	L.	1.0818217
Hypode-Inducible factor 1 alpha	1.9633366	1.9633366 0.98856204	1.1836679	1.2065443 1.2247624		1.0092005	1.2635468	0.92731583	0.9685725	0.89710784	0.7567911	1.2635468 0.92731583 0.9865725 0.89710784 0.7567911 1.0235862 0.71318671		0.9869582
Phase-1 RCT-43	1.0432123	1.0432123 0.86535025 0.80063677 0.79789653 0.74743587 0.7655279 0.8586818 0.86501637	0.80063877	0.79789653	0.74743587	0.7659279	0.8596818	0.06501637	0.9281528	0.96678185	0.97280616	0.9281528 0.96678185 0.97280616 0.8199045 1.1618612	ı	0.9700462
Phase-1 RCT-45	1.0082113	1.0082113 0.91150874 0.94939226 0.95634526 0.91070116 0.90485784	0.94939226	0.95634526	0.91070116	0.90485764	0.9568553	1.0886981	1,1060463	1.074069	1.1720154	0.8831045		1,0055114
Malate dehydrogenase, cytosolic	0.55823195	1.031299	1.1248898	0.7599082	0.9639645	1.1045582	1.2705168	1,3285736	1.5743225	1,5958784	12706255	1.2706255 0.85628694	1.4275289	1.0362207
VL30 element	0.59084564	0.6428033	0.5978482	0.5978482 0.43499362	0,9443414	0.37222564	1.0596395	1.6974913	1.7297716	1.7297716 0.94964075	2,3353157	0.8862752	2,510405	0.8761255
Phase-1 RCT-189	0.6390833	0.5987421	0.4998794	0.3004961	1.0343988	0.50944906	1.1515245	0.540427	0.6926088	0.6086645	0.6086645 0.50512904	0.6145474 0.50309306	١	1.0968194
Alpha-fetoprotein	1.3083322	1.4054549	1.5342116	1.4148064	1.3257304	12974865	1.1022481	0.8136603	1.0000514	0.9813829	0.8227341		0.8253432	1,2196689
Calgranulin B	0.4289424	1.31871	1.2137858	1.2137858 0.50941265	1.0739686	1.3072203	0.9648324 0.77155244	0.77155244	1.0922508	0.8988261	1.1388053	0.8392984	1.0382389	1.0736291
Tissue plasminogen activator	0.8353108	0.8353108 0.88549495 0.89854205 0.73202395	0.89854205	0.73202395	1.047237	0.9244166	0.8713399 0.87570786	0.87570786	0.9346794	0.9699501 0.91817915	0.91817915	0.9986811 0.88485044		1,1003535
Phase-1 RCT-195	0.68756425	0.8403744	0.7356211 0.68090296	0.68090296	0.9944562	0.7634807 0.92887545	3,92887545	1.2130237	1,1138927	1,1701813	1.1701813 0.94765246	0.904511	1.0029683	1.08776
Liver fatty acid binding protein	0.2779199		1.3821452 1.4536741 0.78277975	0.78277975	1.091895	1,2566516 0,8830119 0,95105594	0.8830119	1.95105594	0.6390956	0.6990956 0.47871602 0.4833844	0.4833844	0.6921694 0.83348304		1,2203408
Alpha-1 microglobulin/bilamin precursor (Ambp)	0.59102154		1.5052874	1.4980462 1.5052874 1.0178143 1.0926925	1.0926925	1.3206339 1.1322618 1.0383575	1.1322618	1.0383575	1.013196	1.061187	1.121406	0.5771568 0.9957686		1,2012482
Phase-1 RCT-294	1,5387313		0.78974234	0.8247408 0.78974234 0.9926088 0.7981775	0.7981775	0.9077368 0.9039548 0.8236185	0.9039548	0.8236185	0.8895777	0.9784029	0.8895777 0.9784029 0.9510075		0.9696089 0.92032236 0.93500507	93500507
Phase-1 RCT-151	0.54866076	0.54866076 1.2084465 1.2303172 0.5980502 0.9307641 0.5947241 1.0061052	1,2303172	0,9980502	0.9307641	0.9947241	1,0061052	1.2695832	1.1278117	1.1278117 1.1263684	1.1175526	1.1852206	1.1852206 1.4862835 0.92448413	92448413
Phase-1 RCT-158	1.700263	1.700263 1.0354351 0.8804289 1.0328947 0.9807846 0.8701985 0.9142857 0.8675846	0.9804289	1,0328947	0.9807846	0.8701985	0.9142857	0.8675846	0.8699149	0.8699149 1.0219336	1.0551201	3.0118814	3.0118814 1.1329299	0.9404023
Phase-1 RCT-221	1.0378331	.0376331 0.91822445 0.73012805	0.73012805		0,7376878 0,65483177 0,56398666 0,8387592	0.56398666	0.8387592	1.0619041	1.0077071	1,0987163	1.1576494	1,0550746	1.2389913	0.8856884
Phase-1 RCT-235	1.0120432	1.0120432 0.72301567 0.66938466	0.66938466	0,5500563 0,8604867		0.5234916 0.94058156	3,94058156	0.9667852 0.89590836	0.89590836	1.012968	0.9304818	0.9242173	0.9004573	0.8682195
Organic anton transporter 3	1.203462	0.8344263	0.7959083	1.150674	1.150674 0.84768057	1,0588866	1.0417583	0.84491014	1.0417583 0.84491014 0.77906346	0.63044107	0.549161	0.549161 0.73466086 0.51103354	0.51103354	1.1667789
Matrix metalloproteinase-1	1,5348325	1.4380375	1.5708599	1,1139706	1.0305166	1,5960741	0.7094278	1.8254836	1,2999136	1,0790876	0.5837775	2,3958344	0.6774531	1.3127109
Urlnary protein 2 precursor	0.38295403	1.255217	1.4996179	1.4996179 0.70718366 0.91595674	0.91595674	1.2054161	1.4181455	1.4181455 0.58618164	0.751533	0.6237259	0.6079804	0.6079804 0.67007166	0.50593865	1,3963895
Phase-1 RCT-212	1.0684634	0.862872	1.0157853	0.97511	1.0545986	0.8246079	1.1156462	1,3270696	1,2115074	12222428	1.3288201	1,080513	1.4374882	0.9709001
													<u></u>	
(1) Gene expression data for 6 hour timepoint are													-	
presented as mean ratio of treatment/control for all 6						_	-							
hour predictive genes (Table 18).				-										
(2) Compound and dose abbreviations as in Table 1.														
(3) Individual animal number													-	
(4) Liver inflammation classification for compound-														
dose group at 72 h: yes-nect, necrosis observed; yes-	_			_			-				-	-		_
both, necrosis with inflammation observed; no, no historoatholoov observed														
(5) Predictive gene (as in Table 18 and as included in														
Table 26)														7

												ľ	- 	
Take 30 Emmesion Data for 6 Hour Timeboint (1)														
П	П	٦	1			A OF OAD	BAP 30	BAP 30	BUS 14	BUS 14	BUS 14	CAD 1	-	CAD
Compound-Dose (2)				DEN TOO	202	2	2342	2343	1741	1742	1743	241	242	243
Animal Number (3)	2022	2023	3						9	2	2	8	2	Ţ
Liver Toxicity Inflammation Classification (4)	9		2								,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,	4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4	E ELIMBI	1113687
Gene Name (5)	0.0540034	1 0717798	1 0304934	1.5515112	1.0748788	1.3534724	0.7378288	0.91442025	2.2355814	1.0887092	1 2400624	-1-	A 77564404	0.7706641
Insulin-like growth factor binding protein 1	1 1583636	0.9683761	1.1387544	0.94526756	0.95152944	0.9415396	1.008518	8	10389175	1,04/5538	0 0711506	_	0 98025926	1.2759346
Gadolio	1.0201082	1.0291198	0.97820175	1,1184841	1.1237218	0.94328743	0.95643896	0.9128038	0.9578985	0.88638616	0.89947426	1.1472915	0.98230153	0.5546369
NPK	1.2889326	0.8742918	1.3263052	1.2025973	0.9965.301	1.48/4400	1 0018548	1 1605837	1,1590776	1.0815574	1,2412051	1.007254	1.480641	0.8483314
Catheosin L. sequence 2	0.9678798	1226452	1 292512	1.4866503	4 0226585	1 2050859	0.9456133	0.9079599	1.1563706	0.93850446	0.9272289	3.2946606	3054435	4.908183
Heme oxygenase	1.1904697	1.0754746	1.1956061	1.403333	0.05007374	0.96944443	1,0157758	1.0539043	1.1447014	1.3647779	1.2901598	1,5504164	1.9094386	2.6704337
Phase-1 RCT-109	0.87704897	SEC. 11.	1.07 30333	0.8848162	0 9728407	0.97223264	0.82953066	0.702058	1.1787997	1.3347849	1,2300658	1.2610735	1.1/30/43	06438034
Phase-1 RCT-111	0.86842634	1 2440046	4 2008277	1 2500861	1 0105871	1.2600881	1,0079525	1.4069893	2,3255715	1,9772974	1.6830827		1.10/0019	1 8300330
Argininosuccinate lyase	1,0244043	1 2 140040	O GRARRYOF	0.8264538	0.8820885	1.0242472	1.045194	1.118915	0.90362245	0.8809819	0.87607235	0.84251650	4 450300	4 A7377RR
DNA polymerase beta	0.0930/3/	1 B9204 E84	0 96347034	0.862024	0.97534394	0.9622222	0.7777133	0.58074135	1.1279218	1 2862465	1.1906115	12631446	4 430738	1 3002347
Phase-1 RCT-103	0.07.301133	0 7747168	0.90221	0,7959537	0.7920341	0.9786599	1.0895226	1.1246122	0.9658835	1.4372851	1,7390350	4 40003402	0070200	1 227331
Ribosomal protein 39	1 1207148	1.0587201	1.1049299	1.016655	0.97124326	1.0601279	0.9590892	0.8385158	0.96369543	1,0144341	4 3424269	1 1872265	1.4264657	0.61179477
PARSO-1 KC1-114	1,0947173	1.1597381	1.271488	1.3232657	1.1758727	0.8864738	1.0550056	0.96210974	0.0036606	1 0451177	0.9961158	2.0376859	2.638398	1.6586162
Mecombace inflammatory ordein-2 alpha	90622660	1,362949	1,2373819	2,1291444	1.2273024	1.1747035	1.102cour.	ימשמאה	0.00000					
NGF-Inductive anti-profiterative putative secreted			TOLIN COLOR	0.005404	BOOLONG	0 94795803	1 0350783	0.7996228	1.08044	1.0441872	1.0161572	1.2893995	2.9619033	2,615093
protein (PC3)	0.82549727	0.7710759	0.94/34/94	10,000,000	4 2405500	4 2885789	12709187	1.055754	1,3516432	1.3374596	1.0991573	0.8142092	0.46789062	0.32825036
Phase-1 RCT-191	1,2647693	1.1906615	1.152503	4 4374000	1 2151479	0 94906606	0.9119686	0.9018167	0.91113464	0.8766923	0.79261607	1,4171674	1,0398196	0.8650923
Phase-1 RCT-63	0.9823445	1.2812889	1,32/5/04	1.93/4032	0 8741248	0.8502956	0.9242348	0.8415407	1.0654403	0.9155206	0.9091117	1.0381557	0.929219	4 0403346
Cyclin D3	1.0805581	1.11435/3	1,003017	PC-15-00-1	O GRAPHERS	0 8668968	0.69030845	0.71356493	1.0221446	1.1265231	1.1071888	1.201053	1.1/0633/	200000
Phase-1 RCT-108	0.963/6926	0.95145416	4 9530 400	0.0000173	0.8025327	0.6795879	1.0829523	0.79513294	0.6918902	0.857315	0.68252754	1.3976942	23120180	4 4000440
Phase-1 RCT-56	0.91347516	19000200	25-505-30 V	0.0202010	0.95707386	1,3047974	0.8936249	1,0891109	0.90109503	0.91737986	1.0581532	0.90749055	1.146/302	0 86577415
Phase-1 RCT-192	0.95/0303	1,000,2278	0.90 196.05	1 1225103	0.9007581	1.1376868	1,2508633	1.0866421	0.9265889	0.9923911	1.031938	0.87510043	1.1133401	2 7055047
Phase-1 RCT-75	0.5017094	0 0004577	002361007	0.8565658	0.88311714	0.92511196	1.0469472	0.9993674	0.9697701	0.8183395	TOST CARO	0.8706316	0.000	1 0500932
Acetyl-CoA carboxylase	0.342070	0.05742004	1 0090822	ᄪ	1,0747849	0.97855914	1.0193739	0,8949538	1.0631622	1.1839151	1.156562	1.2100637	1 4272003	0 9385496
Phase-1 RCT-95	1 0636247	0.9962187	0.9276534	0.94590473	1,0799603	0.8487398	1.0395609	1.1134567	1.1349843	1.0825380	0.3073204	1 500A72B	1 5669149	2,813408
Cystatun C	1.1629713	1,0358545	1.1198446	1,018911	0.96050954	0.99303454	1.044677	1.05/6253	0.00176955	0.0000	0.8040741	1,590638	1,1368703	0.7332508
OFFICE OFFICE	0.58829504	0.9297294	1.0639839	1.343867	0.6964454	1.1834606	0.962/3000	4 4683206	0.721370	0.763617	0.9979213	1,3960526	2.1730056	2,8994453
CONTRACTO	1.22626	1.1544037	0.9567532	1.4173826	1.0051656	12/08033	1.2331400	1.40032	1 04992	1.184204	1,1741836	1.200551	0.98712784	1.0613284
Phase-1 RCT-156	0.94035846	0.9632049	1,0173719	0.90721303	1.0451812	0.07700007	0.06118374	1 0054487	1 023565	1.07159	1.0121247	0.9161022	1.0674157	12148882
Coffin	1.007307	0.9500707	0.86436256	0.82303745	25/818/00	0.97/0345	1 0473063	1.071945	0.938377	7 0.712924	9 0.78800887	1,3186321	1,3102024	2.1354961
Phase-1 RCT-127	0.96437466	0.9061554	1,0382477	1.1004300	4 markage	1 0061669	0.9673199	1.0828346	1,065512	5 0.997761	1.0650318	1.0718037	0.85906507	0.45597730
Macrophage Inflammatory protein-1 alpha	1.163116	131/512	2.12307	1.300344	0.945529	0.97072214	0.902717	0.94178265	1.1133416	5 0.916089	5 0.95689154	1,558597	23/883	0.0517152
Zinc finger protein	0.08452808	0.912441	1.0235337	1.0541768	0.97222364	1.1255492	1.1050091		0.9288264	0.892396	4 263887	0.6/55630	1 0604109	1,8305466
Phase-1 RCI-/3	0.879449	0 98520404	0.9218724	1 0.665508	1.0000782	1,0942863	0.7622418	9	1.306303	100001	0 080412	1 1052868	0.99023694	0,9963656
Gutamine symmetase	0.8832536	0.88665646	1,079107	1.0733774	0.87572336	0.7482706	0.8761343	0.6210863	0.9160243	0.0030	A 0 80648154	2 2416735	2.0840216	1.8131837
CAp-difficulty protein	1,3850449	1.149331	1.127750	1,346706	0.9802957	1.0186136	1.0789002	0.933031	0.304114	2 0 843043	7 0.813913	1.1733599	1,3352906	0.9549855
Physical RCT-50	1,0317639	1.111783	1.130189	1,6554614	1.0153717	4 2425237	1.130/314	1 200343	1275203	1,212068	1.4035	0.75253373	1.1466509	2.3427007
Elongation factor-1 alpha	0.8734031	0.835462	1.033012	1 0.91 /68/00	1.0042218	1153778	201979192	5 0.968824	1.114569	1.017425	7 1.143248	121291	2.9342427	1.0956092
Integrin beta 1	0.96189946	1.10995	1 040039	1.135248	0.9008202	0.9802754	0.9080012	0.95701844	1 260748	7 1.254943	1.222733	1 2002561	4 OF7ROTE	0.42 42332
insulin-like growth factor binding protein 3	1 0621262	1.05186	0.9647018	1.097971	1.0629542	0.88239175	5 0.8257268	7 0.8758297	1.387423	1,166346	4 409705	1 4803036	1.4322283	1,3097183
Phase-1 RC 1-38	0.93937564	1,03481	1.013027	5 0,9589671	1.037207E	0.99772406	0.935906	9,891379	1,001455	0 00000	5 1 000727	0 837496	0.8484959	0.8538694
Frase-1 RC 1-70	0.98501456	0.985019	0.972659	2 0.9390331	1.0208918	1.196395	0.933819	1.0575600	1 014861	1 020961	6 1.136285	2 0.944526	12110239	1,9767247
Salanombán D	0.9207486	0.898310	3 0.992647	6 0.747533	0.937216	1.0741625	0.00 1322	1 072506	1 012077	7 0.91160876	6 0.9774074	6 0.828531	12805991	0.9998778
PTEN/MMAC1	1.1208476	0.9763172	0.96586	0.940651	0.9456953	1.1040337	0 840048	1.097692	3 0.981694	5 1,22388	6 1,373390	4 0.62668896	3 0,6358515	1.058417
Phase-1 RCT-214	1.5341064	0.892996	1 0.735/77	7 1 004083	1 12298	0.889549	0.9623099	6 0.9855681	7 0.782533	2 0.654464	3 0.7158024	1.32691	0.583606/4	4 04355
Phase-1 RCT-112	1,0193403	1,13//38	1.0107	4 0 7510875	4 1.018153	1,019904	1.10168	7 0,9376043	7 0.89889	3 0.780742	0.900370	1,045/61	0.70301130	0.21181788
Thymidylate synthase	1 124886	0.760212	1.243179	9 0.7825759	6 0.907330	3 0.6567002	5 0.7837788	5 0.893232	1,006314	1.062620	3 1.4634.23	0 888834	3 1.1807082	1.1388469
Phase-1 RC1-13	12141889	0.594879	2 0.892282	7 0.3964798	5 1.143782	5 0.785495	7 1.104697	5 1.133319	12/38	O PRESSE	7 0 744221	1,121115	7 0.8864611	3,253094
Chaleston 7-alpha-hydroxidse (P450 VII)	1.1478853	0.87902	9 0.6366271	4 0.567918	8 0.767426	4 0.960283	1.046787	0.08/8390	4 2.4 1003	9 0.662489	5 0.6617852	1,891986	5 0.820890	0.6004899
Vesicular monoamine transporter (VMAT)	0.8965348	1.04311	3 1.07232	1.48386	9 0.9798392	0.852331	4 074102	2 0.937854	9 0.863196	39 0.755414	B 0.7717314	4 1.129324	2 0.8193034	0.7814747
Phase-1 RCT-260	1.1901302	1,008308	3 1.077000	1.03310	1.1700	D'ANTONIO D								

									1504.670.7	12000000	101055500	1 00968541	1 04145710	93550044
Dhasea 1 PCT.32	1.4391015	1.4207463	0.8668482	1.4148178	1.6635916	0.8911089	1.0862768	1.0921917	1.01//9/	0.9606937	0 93838933	1 0907078	1,01205	3677781
Peroxisome assembly factor 1	1.1076363	1.1384281	1.0323869	1.0730946	1.0238961	4 0504006	4 0043545	0 998203	0 8889955	0.6865799	0.7590508	0.9568839 0	78173983	38435737
8-oxoquanine DNA giycosylase	0.9671794	1.075637	1,060725	1,0661694	4 052705	4 044700	1 0352397	93921715	0.9209407	0.96195076	0.8492837	1.0851476	0.686916	1.2597634
Phase-1 RCT-82	1,0333428	.98962916	0.99272597	1.00455/1	000000	7 2000590	R4879553	1 00835	1,0969919	1.1210737	1,5254365	1.0923438	1,3190664	2854783
Matrin F/G	1.0462224	0.9390943	1.127998	3,72872130	1,0339303	1.068518	1 0462236	0 9402627	1,0307648	0.9261319	0.B2391113	1,0109161	0.757958	-
Phase-1 RCT-184	1,0075557	1.0425428	1.043287	0.8000/00	0.8534265	0.8789851	0.8911815	1,1608813	0.9421744	0.966176	1.1660237	0.68445045	0.7132889	5/63406
Phase-1 RCT-168	1.0286711	0.6993837	0.85/6606	4 4424422	4 0502428	60672	494	0.89785236	0.94470483	0.787407	0.82268655	1.0986946	1.0674233	1.0431154
Phase-1 RCI-119	0.9847147	0.3431202	0.906/466	0 76703596	0.8557934	0.9561773	65778	62178	0.94712824	0.7569226	0.8175196	0.45173466	0.51503/ 0	35283824
Carbonic anhydrase II	0.8964503	0 92610735	0.8884928	1.1281359	0.9335435	1.1253415	1.068326	1.1382437	12847296	1.0785295	1.015834	4 434043	1 2610104	1.1356494
Typtophan hydroxylase	1.1969875	0.8056921	0.97833353	0.87286675	1.0502499	1.2519714	1.199545	1.1203063	1.0611848	1 4007150	0 9696652	1 1152828	1.6270827	1.8402045
Dheen 1 PCT 179	1.112049	1.034931	1.2662401	1.0775819	1.0372267	1.042199	94792354	1,0045657	1.0223433	0 8704148	0.7769789	0.47524476	0.5530057 0	42978317
Phase-1 RCT-161	1.136107	1.0563987	1.0216721	1.1776572	0.96619076	0.9353804	7.0070700	27000568	1 2242144	1.1249689	0.98533016	1,3360201	1,6967962	0.6133941
Phase-1 RCT-207	1.2152554	1.0148903	1.0669198	1.1017363	1.0460603	0.87784325	4 0705287	4 001341	0 94009125	0.92332536	0.9387069	1.2140448	37313094	1.7107127
Phase-1 RCT-144	1,2311654	1.1519616	1.1261474	1.0943449	1.0185/65	2001//08/0	1.07.304.02	1 3840051	13270012	12174518	1.1149601	1,2236041	0.8541667	1.0149516
Phase-1 RCT-225	1.3046439	1.3535538	1.3432908	0.8849.3806	12728373	4 6574099	1 3047438	1 5483325	1.0779967	1.0771118	1.0624764	0.70631146	3.41931415	0.7208381
Cytochrome P450 2E1	1.106448	0.81859845	0.63785785	0.0000000	1,2342/00	1 007 1018	0.94658047	0.95424634	0.831251	1,1473962	0.97483313	1.0398078	1.4901352	0.8400593
D-4	1.2192289	1.0536817	1.1008229	1.0010902	4 OLEGRER	0 95773085	1,0829806	12038869	1,0505008	0.9958323	1.0312477	1.1465044	1,8762884	2.3035288
Thioredoxfn-1 (Trx1)	0.9056038	4 4500573	0.09113230	3004000	0.8785826	0.744348	0.51895696	0.56129426	0.8058969	0.6858951	0.6850939	0.31618318	0.4799587	000000
Carbonic anhydrase III	1.3769562	1.16350/3	0.9032133	0 94937467	0.96700466	1,0020803	1.135369	1,0072318	1,0267386	0.9834017	0.91108334	1.0395485	0.96584964	1 2004672
Phase-1 RCT-140	0.36814/2	0.95031217	1 1407012	0.8118255	0.97567505	0.9223571	0.81829363	0.8596292	1.0321128	1.3945804	1.1506827	1.1120188	2070702	3,2331012 4 3800611
Complement component C3	0 8561947	0 75943524	0.93862665	0.8855665	0.782422	0.8930602	0.9675494	1.3617924	1.3270768	13541161	30902700	4 4470007	1 0463992	62292945
Gucoldrese	1.4660759	0.9898723	0.90825486	0.7930995	1.0610427	1.0775123	1.0488313	1.1048387	1.0874552	0.943/3324	0.9727979	0 98481005	0.7468206	0.6618828
Phase-1 RCI-1/3	1.0049255	1.1030221	0.95988154	0.99472475	1.0079452	0.93583417	0.9186989	0.9436815	0.05446736	4 2256766	1 2724024	0.3045150	10111487	0.7199774
Demograph of the gives have the li	1.097673	0.9772015	1.014494	1.127635	1,1291926	1.0633434	1.109238	0.962/0823	1.3210993	0 00330708	1 2809854	0 70263565	12740551	1.8200084
Principal PCT-40	0.987164	0.9765561	0.9976908	0.8128642	1,0579932	0.8700024	0.8271677	4 4200400	1.1832219	1 266858	1 3245778	0 58504695	0.9921964	1,5621766
Senescence marker protein-30	0.9056241	0.7703715	0.9048498	0.49035314	0.7862633	1.0722627	4 7042774	1.1260438	1.041083	0.944012	1,1094241	1.1097989	1,5083688	1.2410102
Cyclin G	1.0911125	1,223063	1.0394315	1.2198827	1.110/566	1.0/2/400	1 0054982	0 99156755	1 4265038	0.8630552	0.96178865	0.85369164	1,0143875	0.8925012
Melanoma-associated antigen ME491	1.2499882	1.1408322	1.2807392	1.054246	4 040078	4 0102576	0 97488546	1.0515445	0.95399296	0.8488754	0.86294174	1.1382973	0.83710533	0.88748356
Phase-1 RCT-28	1.109443	0.9919462	0.9919106	0.950644	1 1788602	0.9304916	0.86937895	0.9959185	1.0161228	0.9191657	0.886896	0.9432033	1.1907883	0.76642895 # 6076043
Emerin	0.7081685	0.56430656	0.64024365	0.40620962	1.0863976	1.1405776	1,3272941	0.9087019	9 0.56473005	0.7032464	0.93269	1.244040/	1.9/5034	0.5787728
Alcohol denyarogenase 1	1.0292016	0.8448905	1.0418656	0.71593696	0.89521086	0.91950583	0.91704464	1.0569812	1.07.23841	1.0906131	0.8794588	1.0756063	1.37672661	1.943424
INK1 stress activated protein kinase	0.8106381	0,8948201	0.5045206	1.1475314	1.0291797	1,214508	0.80898236	4 007119	0 86898243	0.7905607	0.7802658	1,1807017	1.0526539	1.145664
Protein Mosine phosphatase alpha	0.9497655	0.85208526	1.0942724	1.0823686	1.0307587	0.9504620	4 4047882	1 0233783	0.6326391	0.6204104	0.6223261	0.96348195	0.7976606	0.6819216
Phase-1 RCT-55	1,0062453	1.2045653	1.5779655	0.8353053	1.113437	0.0000873	0 95057344	1.0009576	1,0187544	0.9698472	1.1446311	1.062068	1,5463047	1,3830999
Ubiquitin conjugating erzyme (RAD 6 homologue)	0.77758306	0.85386297	0.9874579	0.8872662	0.84853023	0.9151466	0.8651702	0,8917974	1.1830039	1.0512486	1.1277868	1,1484349	2.0884538	3.715367
DNA topoisomerase I	0.838/902	4 4420776	0.0103020	1 0053462	1.0177288	1.1412182	0.93276906	1.1380948	0.9692596	0.9335378	0.8376858	1,3125235	1.1449205	0.8824540
Phase-1 RCT-280	1.02/10/12	0.0463670	0.0000000	0 99817026	1.0945923	1,1759368	1,210189	1.0883915	1,3652031	1,2555023	12673516	1.1477357	1.4560213	2.5///514 0.547807
Superoxde dismutase Mn	1 4178052	1 0993313	1.0786425	0.8089006	0.9210888	0.8369234	0.994945	0.95830196	1.3110378	1.6485544	1,6386973	4 0740852	2 1747546	2 8435645
Codemia descripto smithelese I	0.95256394	0.87524724	0.8080683	1.0792994	0.9954533	1,0622809	0.83417886	0.8565407	1.2309/4	01000/01	9705050	1 0698705	0.9285562	0,8701991
Disodriverd kinase zeta	0.9159314	1.1050771	1,0361484	1,1151773	0.9334837	1.0617153	1.1463512	0.95046363	0.56363635	0 90180904	0.8576218	1,7559514	4.2236757	4,9385724
Phase-1 RCT-141	1.0002797	1.4169328	1.2884331	1.9746162	1.1034142	1.0311359	1 038877	0 98364997	1.1407305	0.9998972	1.2699002	0.92097354	1.1326066	0.7193997
14-3-3 zeta	1.1570945	1.1075889	1,082/193	1.032/882	1 2402172	0.9705697	1.5171479	0.9930943	0.95421934	1,5480622	1.7075292	0.5384945	0.6187898	1273041
Gamma-actin, cytoplasmic	0.990//034	1.3061348	4 0514430	0 95528644	0.9261219	1,0221624	1,0358661	1.1063783	1,0361149	1,2334631	1.2403561	1.1727208	1.4934385	2 407 488
Ribosomel protein L13A	0.8293605	0.82929397	0,8309227	0.8534247	0.8984095	0.9660829	0.986835	1.087695	1.44349	0.9955006	0.86108726	0.91928977	0 6354988	0.3282022
MB-8	1.0514684	1.0479249	12152191	1,4472709	1.0905639	1.3336216	1.1220204	1.019122	1,3893310	1,000034	1 194697	1 217826	0.9448812	0.6342033
Thase I no les	1.0907642	1,2735114	1.0538281	1.3020523	1.1935297	0.9770911	1.1124682	1.006/432	1.339189	1 5847030	1 86818	0.81548893	0,6117767	0.22843519
Protein O-mannosytransferase 1 (Pomt1)	1.1043752	1.110397	1214551	1.1358361	1.2505432	0.9276549	1.0343/10	1.030105	1 1732247	1.0797845	1.6227378	0.91197383	1.1233987	0.53017795
HMG CoA reductase	0.97999036	0.9008823	0.9263941	0.7255337	0.90322010	1 0583106	1.0012021	0.9867023	1.0330032	1,0820706	1.0730585	1.1090407	0.87376108	0.77487546
Phase-1 RCT-12	0.8617997	0.5611/3/	0.9330131	0.06440010	20000							, 200.00	770070	2 7810056
Interferon related developmental regulator IFRD1	0.9631777	0.9095980	1.0439614	1,1902914	0.97066677	0.6318749	1.0416102	1.0051893	1,1009086	1.1515131	0.8593496	1.285831	4 6502642	2 9634137
(PCA)	0.8511892	1 223601	1,506497	1.1155736	0.8982825	0.59863865	0.8077769	0.75728470	0.91428226	1.353265	1.3708651	1 1677731	1 2050658	0.56332266
3-heta-hwiroxysteroid dehydrogenase (HSD3B1)	0.90235937	1.025222	1.1046700	0.93663627	1.0382205	0.9281052	0.75670516	4 030844	1.1303/ F	1 072487	1.1204032	0.9114535	1.2072804	0.82956046
Casase B	1.0118423	1.011244	1.0864149	1.0586573	1.047405	1,09289	4 0642642	00000	0.7179146	0.6498527	0.61904764	1,6728776	1,6617903	0.9157858
Phase-1 RCT-169	0.99874324	1.130277	1.0221606	1,133117	1,096933	0.9839378	1.064774	0.9465814	1.446037	1.012005	0.96117558	12368873	1,00115	1.2825346
Phase-1 RCT-197	1.07618	1.03122	1.0368138	0 890177	1 1991684	1.0469079	1,43809	1.0635648	1.067465	0.9526011	1,2105337	12349437	1.1032833	1.520847
Phase-1 RCT-34	1,0/0397	1.143000	1,702000	1										

		•	,							0004000	0.76504001	4 4 500540	0 8688709	6788448
Phase-1 RCT-72	0.9685665	1.01911	1.1106812	0.9888034	1.0734684	3,8700177	1.0917567	1,000/009	R7755835 0	88431764	0.9863109	10171237	1.1107763	,6613917
Pynyale kinase, muscle	0.9579143	1.1109506	1.1110457	1,2025230	1.0612884	04077465	03080885 0	81410253	1.0257818	12229364	99369204	0.96893553	1,3144845	1285348
Phase-1 RCT-288	1.7885417	0.8936434	0.9377946 0	045196	1.0258745	0 0071115	052500	1 0227119	0.8062424	0.7639501	0.72805634	1.175984) 82693666 D	67771244
Phase-1 RCT-90	99856144	1.0272704 0	95621103	0.96/622/	1,027,007	1 128GR51	6984799	1,1627518	0.8030119	1,1665006	1.7792993	0.7387969	0.8212576	9410284
Cytochrome P450 2C39 (alternate clone 2)	92243636	0.802922	1.0410632	4 4420043	0 8449882	952776	5361506	1.7248677	.98446816	1.0127133	0.940553	12403619	1.121850/	20045080
Phase-1 RCT-290	73977643	1 (7384493	1 086226 0	0.97886735	0.988565	0.8920115	0.8744071	0.9295409	1.1273781	1.1072708 0.89	39636495	0.9601502	1 0366048	2466009
Phase-1 RCT-261	9460853	1 0756388	0.8293542 0	93754953 0	96249163	1.3237368	1.0180957	1.1923093	1.1017764	1.4272135	1,0413843	COARARRS (RESAEDE	2899404
Methyacy-CoA racentase alphia	1,0317693	1.1253779	36375	0.87721384	1.119435	1.8004049	1.9341758	1.6701707	1.3148430	0.78380426	0 90302014	0 54034644	390037745	1.4766567
Photos 1 PCT-297	0.857256	0.7769113	0.8385557	1,2328309	0.8717675	0.8581893	1.1933040	201100	ğ		0.9572493 0.922	0.92288494	1,5530804	2.1417706
Monosmine oxidase B	0.84389603	0.8783459	0.5822413	7888	0.92881805	0.9636452 0	0.77562850 U	1 2831 188 (0.90465665	1213958	1.1743749	0.8175561	1.3281856	1.5429821
Prase-1 RCT-264	1.0445122	0.7783889	3	0.5008634	4 0003044	1.0340100	1 2062597	0.9764356	38329	0.8392525	0.8190694	1,058116	0.6842327	0.6390063
Peroxisome proliferator activated receptor gamma	0.8227503	631167	2483	248001	1.0003914	4 0500374	0 0353345	1 0612357	570742	122	0.97870725		0.9532024	1.1194918
Phase-1 RCT-143	0.90621096	-	0.98065376	0.86379014	10/2/2/07	O SCHOOLS O	98687085 0 9947	833	0.98409057	1,0782709	1.1976483	0.6320063	0.7797B784	0.8710035
Phase-1 RCT-251	1,0378013	0.89683366	1.1256618	976	1.04/4/00	4 4734277	1 3318176	7505	0.9929022	0,7194178	0.7288575	0.94449	1.3110574	1.8763026
Phase-1 RCT-117	0.7959066	0.6008589	387948056	_	0.0243377	0 0756441	O R22R411	0.9518716	1,1138438	1,4562958	1.6352435	0.91170853	0.73856044	1.055/925
Girtathione S-transferase theta-1	1,1129373	0.870767	0.81//863	0.0000000	0.00/12/17	7701077	0.8826736	0.9294733	0.983387	1.0904893	0.8813726	1,0110503	13344271	1.3/411/
Phase-1 RCT-91	0.9983698	0.9610226	0.9002610	200003303 04784085	1 1384698	2.155994	2.6422186	2.274478	1.117335	0.9591979	1.0234921	0.9284491	0.92309874	1.19219/4
Phase-1 RCT-148	0.97991437	0.03773030	0.30 10000	0 0061208	1 0099791	0.9813996	97327054	1,0004067	1.0030786	1.0923421	1.006734	0.8966033	DCDQ25ULT	13021034
Phase-I RCT-142	0.9325094	4 0060033	4 0000000	1 0505025	97307974	0.9576326	.90861595	0.9378112	1.0888703	0.8291986	0,9044652	1.148508	10//3343	0.000000
Activin receptor type II	1.1252303 0 98945404	0 8255468	0.5799812	1.278719	1.0323545	1.1265494	0.9008507	0.9198426	1,7656227	1.7188445	1.1011947	1 2/87/67	1 1045688	95198894
Givene memytransterase	0 9755 1607	0.8676027	0.88646847	0.82171905	0.80652657	0.7843193	0.8774726	80964696	1.1843351	1.3651692	2000013	0 97452474	1.0645478	1,2029366
Phase-1 RCI -201	1.0823574	0.9874101	0.8613983	1.0521606	3.92689013	0.9683436	1.0185114	1,036/70/	0.80630/4	0.1333214	2000			
Ciliary neurouppino iacus							300000	7.64504077	1 2249205	1 7241348	1.4530041	0.9082143	0.80110574	1.0439236
מלה לווייים וויים	1.2441192	1,1272155	12368411	1,1596102	1,3392079	291923	0.705.000	0.0968708	1 0435317	0.8598167	0.7976042		0.96824914	64548786
Phase-1 RCT-96	1.4591786	1.1512748	1.0287321	1.0795954	1.0313008	4 04005070	0.0000121	O RZOSRAE	1 1625185	1.1376208	1,094092B	0.8337989	1,0691193	91452944
Phase-1 RCT-287	0.9880351	1,0061791	1.146569	1 2208104	1.1244864	1 1321371	0.97615916	0.9632081	1.2948772	1.1427859	1.1453835	0.61856407	0.95044386	1.2281806
Refinal-binding protein (RBP)	0.8814444	0.88392085	0.85608983	0.5015/19	4 2460606	4 0447047	0.8207281	0.9382914	1,0620703	1,2444315	0.9159843	0.81734455	1,015261	4554
Very long-chain acyl-CoA synthetase	1.0244628	0.9147528	1.0050462	0.001010	0.8620726	9088306	0.8273302	1.0519733	1.1266096	1,2080019	1,4961856	0.8457689	1.0864886	1.4948352
Syndeczn-1	0.7837006	1,69829/1	4 1600120	1 2018268	12717513	0.9760689	0.92158765	0.91256154	0.9500271	0.87363917	0.88396364	1.07/351	1.1948333	\$ 47804A4
Stathmin	1.133031	1 0504205	1 167288	1.0379953	0.983522	0.86911756	1.0793008	1.0745183	0.98034495	0.97539467	0.87600005	1,00//01	1 0349071	1 733954
Phase-1 RCT-145	0 91229993	0.8834696	0.84142184	0,85291946	0.906725	1.1680366	1.1657894	1.0686374	1.050469	4.4400036	1 2083882	1 008035	1 5364267	2.0174744
Adin	0.94182655	0.8600115	0.9024392	0.8853068	0.9971068	1.001061	0.83765924	0.9583389	1.1/8931	1.1490000	0 9030054	1 2706072	1.3421962	2.957581
Present Roll-63	0.96539074	0.93483865	1.0755188	0.9380012	1,0467056	0.8337493	0.9241457	0.995489	4 2044 444	4 0055002	0.9521127	1 1497104	2,000779	1.2809606
Sarcopiasme retrouting capitance 2	0.9926317	1.0431353	1.1370115	1,1299165	1.1421741	0.9678952	1.1149094	1.0400656	1.3011414	0 8714777	0.90830827	1.0133529	0.8772284	0.8086446
Physical RCT-204	1.080614	0.9785676	1,0934997	1.1865572	1.0431378	1,0596333	1.0131337	1,02/440/	1 3194877	1,565408	1,3292481	1.1812217	1.041523	0.8262642
Vescular endothelial growth factor	1,0468768	1.0014887	1,0833117	1.1891557	1.1248643	1.2686507	1.1212120	1,1234500						
NADP-dependent isocitrate dehydrogenase, cylosolic	00,000	0 70077167	2000000	O SAGERTA	0.9313159	1.0383492	0.9655658	1.1109564	0.8840693	1.1318537	1.1169341	0.77358243	0.90436023	1.4442937
001	4 004627		1.5122073	0.8825123	0.8805306	1.3854092	1.1334296	1,7903568	0.6829602	1.0058995	0.87072366	1032080	1 DR46813	2.9189487
DNA Binding protein Inhibitor 102	0 9098135	1 0159463	0,82648504	0.6067466	0.83452773	2,2867239	2.7125468	3,4719632	0.7321254	0.83012134	1 8067048	0 99798145	1 1178557	0.718617
Glutathione S-dransferaso To	1,2920175	12261273	0.7670069	1.0827416	1,2288755	0.9614744	1.0350707	1380915	1.1595292	1 0329782	1024572	0.7975005	1.270142	1,7114513
Insufficient factor I	1,0080794	0.74357575	1,3088425	0.5974869	0.84903437	0.8380471	0.9027814	1.0200705	1 1142348	0.916883	1.298947	0.70016897	0.4789505	0.213999
Prostantin H synthase	1.0110462	1,355939	1.2417797		1.0686963	0.9354707	0.9001.921	0 9964977	1.0835712	12528652	1.0293764	0.86100495	0.852609	0,6548808
Phase-1 RCT-138	1.1169652	0.981146	0.981146 0.92501736	-1	0.95281196 0.95693/63	0 8950817	0.8426532	0.94418496	0.91615	1.4085338	1.247493	0.78087395	1.0975934	1,9965941
Phase-1 RCT-137	0.8905324	0.814/05	4 2000744	0.0424130	0 94184434	0.99640447	0.87248516	0.99884534	0.9862039	0.88352686	0.92248905	0.85528	1.0341983	1.15/836/
Phase-1 RCT-138	1.1267014	0.84518044	0.001043	0 7370271	0.8399832	1.0209647	0.85046095	1.0134978	1,1816171	1,553868		0.72752724	1.0324452	1,02001
Hepatic lipase	1.016070	0.9020400	0 907448	0.83954114	1.044502	1.0242915	0.9075062	0.9219807	1,1792145	0.99318063	민	0.95633043	4 R14679	1 5197501
Phase-1 RCT-164	0 004384	0 98900975	0.9291389	0.9419383	1,0211908	1.1605383	1.0093411	1.0094668	1.3742603	1.2292054	4 2746462		0 58164394	0.42120406
Acy-CoA dehydrogenase, medium chain	1 04884	0.88905644	0.919629	0.6035312	0.633204	0.86597043	0.96364003	1,3108885	1.1439604	1.0523864	4 007002	0.8960307	0.60724276	0.6222512
Gardingne S-danserase Tuz subum	1.027943	1.1512786	1.0153898	1.0996543	1.0029827	1.0137321	1,1191686	1,0228238	4 22004 60	1.0004004	1 8351694	0.880097	0,6491306	0.5005575
Dhasa-1 PCT-166	1,0993958	0.8009707	0.8676583	0.69741833	0.99658155	1.0666462	1.2688/4	1.120/112	1 0672567	1 2165883	1.2918769	0.8166301	0.9461148	1.7098144
Prince Inc. 100	0,814051	0.82977283	0.86391824	0.84397185	0.97282577	1.030/436	0.00000	4 0533007	4 E021548	5676521	1 2585188	0.9870061	1.8569291	1.9828979
1109-divaronosvitransferase	1.162625	0.84557617	1.1842934	0.96139354	1.0444572	1.1561687	4 0406450	1 17R7R53	0.87794493	1,0453382	0.8257395	1.3523837	1.417836	2,4556086
Gutathione S-transferase P1	1,011304	1.0358552	1.0537348	0.9055469	1.165/029	A BRADGARA	0.8380517	0.8479608	0.91806376	1.3555712	1.260849	0.58293283	0.5977156	0.8996026
Disultide Isomerase related protein (ERp72)	0.879358	1.1992842	1.48/63/5	1.120083	0.92/01/3	1 2417654	10427705	1.1031975	1.0610801	0.9128389	0.9062747	1.1193961	1.1454731	1,5005938
Ribosomal protein L13	0.998980	7037800	0.3535273	1 2021339	0.93439645	0.92539734	0.721583	0.67901415	0.70284814	1,0389045	0.88367856	0.74190027	7.5066/89	2 134179
Centoplasmin	0.007757	1 1592327	1 2230135	1,4171104	1.0594337	0.9809182	0.9657192	0.88467824	1.1922495	12695003	1.4311312	7.200440	2.1000120	
Inter-alpha-inhibitor H4 neavy Chain Inter-	0,004													

							1000	2000000000	10001,000	, 20000014,0	30300000	4 0000043	0.04503421.0	ABADAGAA
Phase-1 RCT-3	1.1255112	1.0515412	0.998927	3,98971903	1.0347658	0.9665336 0	97472435	0.8558119	4.033427	4 19247	0.9655876	0.68178517	12713608 0	0.81055766
Fetuin beta (Fetub)	12590292	1.1414071	1.1411856	1.1094257	U-SETENATO	1.19209/3.0	84104246	0.915653	1.1974235	1.0139643	1.2577696	0.9756588	1,4856888	2.7635388
3-hydroxylsobutyrate dehydrogenase	33203223	4 420027	0.3330223	0.3310032	0 7971024	1 0359005 0	67416906	0.7159126	1,2090092 (3,87858105	3,89120746	0.8249353	1.220285	1,4289083
Carbonic anhydrase III, sequence 2	4 0000700	4 4007462	0.201000	71471615	0 9418059	1 0049903	0.8127405	86677414	99049956	1.126907	1.0567356	0.9778742	1,2461808	1.8933307
Phase-1 RCT-10	1,000,003	4 0E400E7	0.320 033	0 R757728	1 8752139	0.9600672	0.67168933 (77706516	79658050	0.659678	0.7710721	1.2664624	2.2885451	1.7094103
Alpha-2-microglobulin	1,1039100	1,001000	97477966	06591604	793340147	1 0178775 0	0.75082713	0.9086634	0.9020028	0.7665805	0.7916667	1.0408395	0.81645685	1.029223
Dynamin-1 (D100)	1.0437.919	1 1048873	1 0065843	0 926871	96291363	0.8962206	0.8066567	0.9390365	0.9037612	0.5544071	0.7920308	0.99925375	1.1149083	0.4768029
Lysy oxoase	20070000	0 8283786	0 7509116	0.9594571	0.887598	1.0284978	0.80352	1.97538954	1,3146002	1,515986	1,3295214	1.0670935	1.8017749	3.708847
Priese I PCT 29	0.9267994	1.0952901	1.1107477	1.2808357	1,0037398	0.9782729	1,007867	0.9298879	0.9915903	0.9670214	0.9079897	1.4502585	12221723	1.2578807
Phase-1 RCT-278	0.8708686	1.0585848	1.2617831	1.4015757	3.84446985	0.8698052	0.8774198	0.8769179	1,2013108	12215374	1.0443538	1.0846313	7.863666	0.300/043
Phase-1 RCT-42	0.9994421	1.0048711	0.8794656	0.9129947	0.96879506	0.9426738	1,033791	0.8864498	0.9886969	1.0397227	1.15/1088	0.3237103	03/30/00	4 647666
Phase-1 RCT-25	0.94105864	1.0043999	1.009816	1.1634499	1.0808922	1.0182642	0.9778731	0.98848605	0.9408024	0.3008/13	0.3124413	4 37043GR	0 55053	1 1443354
Cytochrome P450 2C11	1.105071	1.0377443	0.94132656	1.174009	1,1235292 0	.98635095	1,1828816	0.83/904/	0.6838667	0.000000000	openice.	0.000	024040	O EMERSIC
Phase-1 RCT-202	1.1073085	0.997547	0.92809147	0.86694455	1.124302	1.0272007	3353/2	1.1563234	1,334209	1.05/4 103	1 2826A40	0.00000	1 0791615	1 1200666
Complement factor I (CFI)	0.883566	0.9053372	1.0586721	0.88867897	1.0801/9	755706297	0.9704127	0.557 23300	00000	0 7030045	0.04.26.84.7	0.8976878	O 80690R2	1.6371257
Proliferating cell nuclear antigen gene	1.2976757	0.99954134	0.9725171	1.0424138	1,0504536	4 420000	0.000000	0 005845	4 413728	0 94009446	0 9018018	1,1096218	0.98533744	0.6316596
Activating transcription factor 3	12216127	1.0438858	0.9382019	1.0266302	1.1404/5 1.12	1.1200330	4 (257202)	0.0050423	0 9096544	0.81725645	0.8655612	1.1017176	0.9626966	1.9751055
Focal adhesion kinase (pp125FAK)	1.0716922	1.0693499	1.0599475	1.1384400	0.30100033	4 4264045	1 0824944	1 0771321	1 0667849	0.9832787	0.9539801	0.808135	1.0841353	1.1210116
Phase-1 RCT-289	1.0124767	4.00001154	0.80552477	1 0074875	4 0589101	0 9161244	0.9359064	0.8902628	0.942728	35178	0.81733334	1.0504586	0.88269806	97034466
Phase-1 RCT-259	0.30000740	1,0021017	0.55315101	0.0034773	0.08537314	1 1328592	1.0990165	1.0408896	0.97369146	1.0525795	1,2087111	0.71442103	0.6698155	1.0867572
Iron-responsive element-binding protein	1.07.90340	4 4552000	4 457407	4 2645545	1 1741903	1 098581	1,1168116	12572243	1,4629936	1.2983035	1.1754553	1.0189772	0.5579769 (27417487
MHC class I antigen RT1.A1(f) alpha-chain	1,1343,20	0.0000000	A 5000457	4 0650461	1 1107402	1 045211	0.8093124	0.7078792	1,1861081	1.1062303	0.9447539	0,9397628	1.6227171	1.91793
Any sulfotransferase	0,81666/U3	4 4 7 7 7 4 6 7	1000010	964000	0 07250463	0.9173789	1 2251418	0.988967	0,94258916	0.8879065	0.8938106	1.1766979	1.4968923	2.1635088
Phase-1 RCT-171	1.1126031	1.12/218/	1.0003401	4 4002045	4 0547796	0 7690526	93649995	0.8018386	0.9151118	0,7285564	0.7513118	0.87711054	0.7755884	1.1275289
Phase-1 RCT-83	1.0935851	1.2062333	1,3003331	0.5406670	A1740200	0 0007188	0.8223022	0.9738163	1.1021551	1.0800492	12271212	0.5284225	0.849377	1.4045017
Phase-1 RCT-270	0.9269268	0.67644566	0.8/200433	0.54266/9	0.63024/44	0.3007 100	1 0200001	1 049705	1 2474976	1.081705	13903351	0.75224483	0.8172666	1,0836971
Colony-stimutating factor-1	0.8333523	0.8504/816	0.90312374	1.0040037	0.3330/444	4 47306	4 0201001	1358987	1 0694677	1.0496681	1.0884354	0.85900784	1.1451495	0.79381603
N-cadherin	0.8906905	0.8741/144	0.9412504	0.70041625	4 0452542	1,17330	4 4000532	1 0392156	0.97612536	104311	1.11301	1.2792174	1.8675832	3,5288496
Phase-1 RCT-62	1.1400456	0.9399628	0.9150455	0.84598/4	1.0133312	0.92300030	0.4303338	0.9580822	1 1032698	1 0202047	0.97360516	0.8597909	0.89360297	1.106153
Phase-1 RCT-22	1,3048/04	1.0626967	1 00072700	1.1100202	1.0529030 1.0761588	0 882937	0.997 1089	0.841878	0.7546564	0,6480715	0.69052756	1.1708971	0.5802496	1.2058916
AT-3	0.93792784	0.0014310	0 0000100	0.05648004	000000	0 93787795	1 0430925	0.971598	0.8997127	0.90692365	0.8260054	1.182789	0.97674143	1.2627156
Phase-1 RCT-18	4 404 6773	4 M74505	4 006001	4 4 269206	1 0010532	0 93011554	0.9754632	0.9480589	0.9332281	0.8345833	0.8444109	1.1078539	0.8490857	0.8639182
Phase-1 RCT-123	0.875085	0 7027692	0 940 18556	0.57276934	0.89671284	0,79926306	1.0258198	12551723	0.9857626	1.0508499	1.198789	0.68071985	0.83860886	1.1561105
Phase-1 RC I-60	200													
Equipments fractionally and reservation of the section of the sect	1.0815241	1.0199038	1,1636413	0.78302145	1.0948238	0.7682011	0.8990167	0.9757893	0.9757606	0.7594205	0.7922835	0.68628067	0.80293196	0.75844317
Olimes transporter 2	1.0357417	0,886049	0.91572344	0.57565635	1.0587273	0,8546086	0.91669226	1.0737063	0.9405941	1.120865	1.845679	0.9803906	1,3711436	3300314
Mertido o pedebot protein-2	1.0367203	1.1520408	, 0.9372358	1.1446596	1.0441035	1.3964754	1.0987978	1.1278445	1.7017773	1,5098925	1.4532801 0.8189	0.81855353	1.7208149	0.0001303
Multichur resistant crotein-1	1.0331692	1.1845578	0.97994506	1.3387098	1.1052221	1.3485376	1.1123409	10942367	1.6896898	198508.1	1.444.2833	0.0002000	0.730134	0.40040002
Phosohetidylethanolamine-binding protein	1.1021292	1.0196017	1,2827761	1.173251	1,3454303	1.177414	1.1105839	1.1536124	1,4399731	1,3316163	1.2386368	4 0134356	0 07874784	1 0711468
Phase-1 RCT-180	1,1782818	1.0715142	1.0131768	1.08467	0.9655837	1.0246562	1.155513	1.2219911	1 1/33333	4 4253073	1 3098565	0 86639977	0.6683234	0.3831123
Integrin beta-4	0.8918039	1.1145676	0.97542375	1.0723611	1.0256404	0.9/15388	0.99242413	2613 1.0338033	4 3705043	4 57040B	4 1236537	077030536	0.55966324	0.32795256
NADPH cytochrome P450 oxidoreductase	1,2390789	1.2097837	1.1309255	2.01/838/	1.244/04	1.1/0/2/4	4 0423855	4 0647730	0 89003695	0 5968432	0.71086666	1.0535622	0.9943518	0.82718074
Wafi	0.9573199	0.99717546	1.0835583	1.2161634	1 0601158	1 0554624	0 88543737	9626356	12575122	88003	1 2505265	0.9659303	0.82100075	0.4862801
Endogenous retroviral sequence, 5 and 3' LTR	1,00722	1.186374	0.04306903	0.13104313	970276	0 9879066	0.950525	0.95567286	1.0737082	1.2079479	1.1028118	12054082	1,1704913	1.1970396
Phase-1 RCI-53	1 0384702	4 04456	0.97289413	1 0533866	0.96526088	1.0172217	1.0821073	0.93132657	0.98964244	0.8482798	0.8359673	1.0479026	1,0528313	1.1802405
Phase-1 KCI-54	1 0258956	1 0248438	0.9731796	0.91023463	1.0025254	0.8570732	0.8797281	0.9021887	1.207825	1.4018205	0.97511643	12158974	0,93190175	0.61527836
Prisse-1 RC 1-240	0.90038085	0.87524486	0.9707297	0.9629167	1.0519357	0.85757875	0.9203787	0.8136156	0.99081266	1.077524	1.0523809	0.79544324	1	1.2285591
Omanic anion transporting polygeotide 1	0.9740683	1.0562625	0.99753255	0.9063226	1.2681254	0.84865826	0.8821961	0.94836503	0.9683633	1.0169419	1.4914904	0.5657152	1 1004007	0.0402302
Phase-1 RCT-241	1.2811314	1.0779583	1.0437574	1.0844747	1.2453226	0.88061357	0.9582675	0.92959464	0.96714216	0.9111659	0.7889337	1.2043011	4 0454788	4 063284
Tissue factor pathway inhibitor	1,0600843	1.0969533	1.0898017	1.2407774	0.9111464	0.8344385	0.8774154	0.8930432	0.8033148	0.7128243	0.73808207	/61 /COM1	3	- Transco
Cyclin-dependent kinase 4 inhibitor P27kip1 (alternate	0.0044000	1 2006260	4 4054403	4 3027RE7	1 3590239	1.1851083	1.4704098	0.9061424	1.0521194	1.1297578	1.0062312	1,5212133	1.6894526	2,205837
clone)	1 0259335	1 1085801	1 2702773	11152711	1.0959775	0.8838581	1,0964291	1.0535481	0.8066807	0.6604402	0.62775666	1,6527301	0.65833706	0.4591811
Prosphorpase D	1153501	1 136827	1 1248484	1 1242726	1,1518168	0.94532	1.094235	0.95828146	1,5732453	0.9921072	1.0030366	12102866	1.147708	0.99070704
PRINCE INC. 23	1.0828149	1.0147691	1,0206352	0.96868086	1.0302831	0.90021604	1,0589659	0.9841053	0.99657077	1,0068959	0.9125376	1.0610163	1.6925827	1,5373455
Phoen 1 PCT-113	0.9790452	1,0303754	0.9653312	1.094527	1.0633368	0.94305235	0.8483693	0.79348165	1.024058	0.8809853	0.98676187	1246247	2.1660657	0.93442976
Adenine audeoffde franslocator 1	0.9873231	0.819044	0.98833483	0.5708459	0.9772147	0.8519095	0.8947532	1.032065	0.85600206	1.1808479	1.5678787	0.720/20/7	7 6406440	40 42222
Apha-1 add glycoprotein	0.80415475	1.2347512	0.64121145	3.3349697	0.8323921	0.93272346	1.0915381	0.75348055	1.7623014	1,0/4654/	0095775	1 0269907	0.55148923	0.5072133
MHC class II antigen RT1.8-1 beta-chain	1.3234452	1,3915243	0.76668334	121/9390	0.8400114	C:315:32	0.04232210	1,00 10020	0.10000.	7.				
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														4 5005405
	1300000	0000000	4 0043057	82546043	1 07050704		0.9723788	1.0280194	1,0280194 0,94792837 1,0026063			1.0782694	7,023422	200
repanic cation transporter 3	0.635559855	3308/193	200	2014/200	500000		ш	1 0 173577	0 9949575	4 0473577 0 9949575 0.79687685 0.85780054	38780054	1,0928619 0,95153207	0.95153207	1.6740686
Jynovie-Inducible factor 1 alpha	13835891	1.1361456	1.0831327	1.3835891 1.1361456 1.0831327 0.96175927 0.9820900 1.1223304	0.9620900		•	000000	4 4037530	4 4034530 4 280386 0 95253825	30825030	1.180338	1.0027852	0.652647
hace 1 DCT 43	0.97141445	0.9909995	1.0909464	0.9909995 1.0909464 0.92266643 1.0415969 0.92324281 0.97134737	1.0415969	0.92324287		0.0000000	20000	1.1034313 1.10000 0.00111111111111111111111111	7744104	1 32000RR	1.3041979	1 0019686
1000 1 100 TO	1.1302125	1.1040598	1.2645353	1.1040598 1.2645353 1.1742015	1.0744708 0.96226245	0.96226245		1.954/U/1	1.000003	4 000443	4 4 4 5 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7	A02070704	0 9448764	2 2707787
1256-1 FC-1-5	0.0000456	0.8872101	0 90832685	0 8872101 0 90832885 1 0467836	1,0026248 1.0853682	1.0853682	0.9725491	1.0236126	10304308	1.022.1	. 102.1220	10000	500000	0,00000
Aalate dehydrogenase, cytosolic	4 2242070	1 2027267	1 2002866	4 20272C7 4 20039G6 0 68746114	1 0111299 2.9505298	29505298	1,7437308	1.7571057	1.0395671	1.0395671 0.86067855 1.0817927	1.081/92/	1 Jeason	1.4002020	4 1034040
	2340010	07489764	0 0703054	0 8014326 0 R960R95 1 2471728	O ROGORGE	12471728	1.0190426	1.0413622	1,2246386 1,1464561	1.1464561	1.175968 1.0538962	1.0538362		1,00/2/03
hase-1 RCT-189	0.50143000	0.745370	1000000	0.001	0 040457 0 03135094 1 0458094	4 0458004		1 0475435	0.96821713	1 0475435 0.96821713 0.88041218 0.78314435	3.78314435	0.958225	1.4066652	2.0060618
Anna-fetoprotein	0.9638641	0.9638641 0.8818583 0.93636504	0.93036504	1,91845/	0.92133004	40704072	1	1 0522873	0.9942714	1.1327627	1.0551983 0.8535392	0.8535392	1 2305225 1 8258922	1.8258922
Calorandin B	0.9438725	0.9438725 0.84616774	0.9170301	0.5693/75	0.6893775 0.9240711 1.0724927	1.0124312	7	D 0726788			0.932172 0.83464694	1.0410918	1,0410918 0.6481482 0,95121306	3,95121306
Issue plasminopen activator	1.0078408	1.0078408 0.97852504	1.1022514	1.1022514 0.92853516 0.991//843 0.9636341	0.991//843	0.8636241	0.891//843 0.8630341 0.8633604 1.211013	4 424 4043	4 042815	0.984378	1,0009805 0.83000376	0.83000376	1,2269715	1,224135
mase-1 RCT-195	0.9700209	0.9700209 0.91343904	- 6	1.0818069	1.0215123	0.97870347	0.0004047 4 4214213	4 12/42/3	7500037		1.5842744	0.947571		1.0934487
iver fatty acid binding protein	0.9205608	0.9205608 0.932044	1.1412212			4 0667000	0.000067	112637		1 2914137	1.3930626	0.8528831	0.9766088	1.2694168
Alpha-1 microdiobulin/billumin precursor (Ambp)	0.9742871	0.90167385	0.9742871 0.90167385 1.0906003 0.86351997	_	Later of	2007000	0.0745E3334	08535186	0 82009923	0.7502413	0.74583334	1.0767356	0.7665599	0.81872517
Phase-1 RCT-294	1.0151877	1.013942	1.0118871	1245084		1,0423054	0.001.00	0 923698	1,1798861	1.1798861	1.081436	0.7999114	0.7999114 0.79845023	0.6251235
Phase-1 RCT-151	1.05751	1,0293045	1.0351616	1.05751 1.0283045 1.0351616 1.3274069 0.958/0956	0.504/0350	1.063533		00042400	O GARAARO	0 77939343	0.7615196	1,5356904	1,4895729	1.761124
Phase-1 RCT-158	1.1122077	1.1215975	1.2071173	1.1215975 1.2071173 1.135528 1.0017313 0.9883133	1.0017313	0.9883133		2020000	1 0384121	1 0384124 1 1359934		12387897	1.1090978	1,2215436
Phase-1 RCT-221	0.8765698	0.9006341	0.9371884	0.85583746	0.9508656	CZ/505950	0.9371884 0.85583746 0.9508656 0.96505725 0.6363576 0.100000	0.76564	1 1508161	1 1408161 1 2761374 1.1929793	1.1929793	1.173002	12171423	1.2192682
Dhace-1 RCT-235	0.8343759	0.8909756	0,8598676	0.8670206	0.9035988	0.9548924	0.8598676 0.8670206 0.9035988 0.9548324 1.0042228 0.32718534	0.227.1027	0 0444624	0 0444621 0 GESONST 1 1483015 0 8599938 0.89994218	1 1463015	0.8599938	0,89994218	0.92636
Person's anion transcrotter 3	1.0307889	1.0181113	0.9508349		12061173	0.9949/44	0.9096562 1.2061173 0.9949/44 1.0560342 0.8903/30 0.0114021	0.03037.30	1 0034646	0.0468756	1 1787173	4 1787173 0 89020824 1,0664858	1,0564856	1,2098839
Maldic metall condelinate-1	1.0215379	1,064139	1.1204358		1.0842026 1.1142659	1,1569211	0.90/02953	2400000	290277030	0 8247754	0.7797665	0.8769427	0.8769427 2.0471814	2.6209462
History ambein 2 prestrator	0.90821314	0.9359705	1.0624208	- 1	0.95404184	0,83803904	ᅴ	4.4744073	4 2 4 4 4 6 2 5 4 4 6 4 6 4 4 6 4 8 4	700000	0.958231	1.046214	1 046214 0.81557184	0.7014004
Phoen. 1 PCT.212	1.0348009	1,0131453	1.0594159	0,9069422	0,9069422 1,0486423	1,207818	1.146252		104COH#670	0.31				
			-											
(1) Gene expression data for 6 hour timepolm are presented as mean ratio of treatment/control for all 6							-							
nour predictive genes (180) 10). (2) Compound and dose abbreviations as in Table 1.			• • •											
(3) Individual animal number													-	
(4) Liver inflammation dassification for compound-			•••											
dose group at 72 h: yes-near, nearests abserved; yes-														
both, necross with initial mattern observed, i.e., i.e. this conathology observed														
(5) Predictive gene (as in Table 18 and as included in														
Table 26)			-											

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(1) tolla con Transaction Card Card Card Card Card Card Card Card			-											
rapie 20. Expression Land to o radii illingsonii (1)			П	-				П	П	П				
Compound-Dose (2)	CAR 16	CAR 16		_	CHCL3 250 C	CHC13250 C	CHCL3 500	CHLOR8	CHLORB	CHLOR 8	CHIOR 38	CHLOR 30	CHICK 30	CIS 2.5
Arimal Number (3)	1851	1852	1853	1521				-	2	2 2	5		-	9
Liver I oxicity intermitation Classification (4)	OH.	3											-	
Insufin-like growth factor blading protein 1	0.8553523	0.9057186	1.2206831	1.616715	2.02622	1,9173236	3.7368171	0.8721584	0.8320085	1,3132583	1.9643286	1.6275401	2,8506594	2,8488114
Gadd153	1,2246268	1	1.2502046	1.1471001	1.0448989	1.0678427	1.5527178	12702795	1.1154865	1.1477782	0.97835295	0.9786103	1.3718704	1.0481455
ാധാ	1,0891727	1.1847197	1.1106578	1.5296278	12490377	1.2753673	2,9705229	1 23/1854	1.0/50235	1.0276102	1.3060332	4 434 4007	1.3/03214 1.3201588	0.0326765
McN	1.3981199	1.27.15104	1.4406634	12120138	1,230,053	1.2200310	1 7445808	1 0751861	1 0185919	1 1940767	1.4511142	1 3790704	2.1417127	82872244
Cathepsin L, sequence 2	1 0759474	1 1849377	1 1638148	6 460615	5.769106	4.549837	6.173422	1.1170713	1.3874754	0.8787039	1,4452081	3.011189	1.6085197	1,4192125
Phase-1 RCT-109	0.82791644	0.8220774	1.1230259	1,0217818	0.9718144	1.090925	1.1919981	0.853956	0.9139678	1,0050579	0.9388721	1.3749807	1.1796324	0.9675121
Phase-1 RCT-111	1,0178851	1.0741208	1.2102497	1.0049427	0.9470754	0.8861446	1.2942538	1.5096303	1.461624	1.181945	0.94014627	0.8818827	0.90634906	.99841326
Archinosucdnate Ivase	1,0036882	1.1576478	1.3805453	12380421	1.6035173	1.6042439	1.17999	1.1209998	1.3475709	1.3765392	1.18493	12778687	1.1076013, (78976946
DNA polymerase beta	0.7325301	0.7511583	0.9815709	0.970241	0.91335386	0.9931807	0.99685717	0.5155418	0.58463067	0.6761027	0.85392107	0.657742	0.6915228	1.1173525
Phase-1 RCT-103	0.94282407	1.0324522	1.1805699	0.9076754	0.9186622	0.8568455	1,2289119	1,5226085	1,5145743	12692101	0.9867463	0.9210454	0.92324456	1.0330009
Ribosomal protein S9	0.7341334	0.64787567	0.9351908	0.8347142	0.92728883	0.84971064	1.2113669	0.7772245	0.93423176	0.75183343	4 900040	10.713403	0.8305973	12014363
Phase-1 RCT-114	1.1134564	1.0790167	1.0926919	0.8987094	4 206564	4 4400476	4.0070804	1 4103184	1.3034.70R	1 66217	1 2467807	1.4751917	1 251944	2.2845128
Phase-1 PC 1-15	1 10924	1.2013862	1.4419484	1.3694553	1.0956607	1.1506662	1.2285861	1.1066482	1.2004474	1.122252	1.7133615	2.5194697	2.5560973	2.423721
NGF-inducible anti-proliferative putative secreted										_				,
protein (PC3)	0.65252874	0.6436703	0.7393819	1.0062159	0.8940088	1.0879629	0.95826583	0.87956864	0.8700013	0.96838397	4 04 00 27	0.9516211	0.72273526	1.2650078
Phase-1 RCT-191	1.5564907	1.2228559	1.7690383	13134452	1.1801891	1.085135	1.0065204	4 000000	1.7.7420043 4. REG234	2 1661584	3 277154	3 5295904	3.3671603	1 0782081
Phase-1 RCT-63	1.02812/6	1.03634	0.6559576	3 300006	0 7001300	0.837.37.037	4 703938	4 2450339	1 4096371	1.5092151	2.276403	2.5738902	27047586	1.3599709
Cyclin D3	4 04 650 65	1.08228124	4.4723044	2,300030	007070	0.0744707	1 3374648	1 0835205	1.267471	0.9297033	1 0723084	0,8275963	0.8051817	1.0804023
Passe-1 PC1-106	1.0100033	0.0000040	0.0243208	0.0000000	0.0573376	1 0971218	1 0538449	0.41489595	0.32100588	0.540763	0.6553698	0.5306768	1,3682059	1.1782441
Phase-1 PCI-00	0.89038	0.9057.1836	1.1493315	0.9103329	0 99673223	0.87865347	1,0011171	0.95727587	1.0377082	1.116313	1.0614257	1.0171785	1.1568856	1.1525398
Disco 4 DCT 75	0.81956	0 9203378	0 94251287	1 3855288	0.8913118	1 0239129	1.0770934	1.1893619	1,1610053	1,0884984	1.059651	1,0045828	0.9392559	1.1481729
Aceta CoA cartocodase	1.0308716	0,83551188	0.7546511	0.809708	0.0167129	0.8775639	0.88965136	1.1754372	1,2275119	1.251747	1.0627426	1.1022869	1,0763086	0.8155329
Physical RCT-95	0.98560953	1,0307559	1.1000048	0.9369585	0.96538675	0.8923779	1.2789671	12862042	1.1874212	1,070386	0.87117285	0.8166785	0.8882921	1,033492
Cystatin C	0.9649199	0.93488127	0.85808223	1.195442	1.06736	0.99699694	1.1321435	0.8785144	0,8505963	0.73998517	0.8438594	0.78325623	10425748	1.0411088
Phase-1 RCT-49	1.0868777	1.0586914	1:1268256	1268598	1,0799574	1,3838192	1.599215	0.99569625	1.1184026	0.9504643	1.084894	1.0051283	10952318	1.1647036
Phase-1 RCT-9	0.6220528	0.7353046	0.88320166	0.7340197	0.808244	0.90951467	0.72890705	0.9020041	1.2341597	1.15/4643	1.2312165	1.4035659	5 20054	1 1367618
Gadd45	0.8816645	0.80089515	0.912503	1,8503075	8697871	1./5/85/2	1.7833034	1 0403331	4 OCA436	77432244	0 RESERVA	0 79196R	0 9093117	1 0309839
Phase-1 KCT-158	0 00054006	A 852205	1.1050204	0.90010470	4 0680226	0.000/1900	4 4032271	0.9154886	1 0152402	1.125593	0.9305383	0.99913365	0,83709725	1,3615873
Obtace 4 Bort 437	1 0937527	1 1878607	1 1185426	16227692	1.1619681	1.3927568	1,600424	1.0434759	0.91217	1.1790904	1,0916244	1.193346	1.3830885	1.2742819
Macmohage Infarmatory protein-1 aloha	1,4175925	1.2782801	0.9631984	1,3797879	1,5101262	1.141878	1.0564977	0,9866203	0.9566952	0.93389016	0.9482654	0.9452609	1,0647439	1,0365449
Zinc finger protein	1.0865802	1.103625	0.94608545	1.679381	1,4726762	1.4159324	2.2407913	1,0152197	1.0814389	1.0481232	0.84255594	0.B5352	0.85342795	1.1352558
Phase-1 RCT-73	0.85250646	0.98488545	-	0.7375651	0.8363152	0.83912855	0.8399628	1.197748	1.3256644	1,2902198	1.152171	1.0534649	4 455403	4 0742822
Glutamine synthetase	0.6528148	0.5690294	0.9798326	0.6682612	0.70703614	0.808267	0.67099901	4 4850544	4 1664581	1 223700	0 8938183	0.8018568	0.933904	0.85254616
CAb-binding protein	4 2000007	4 2720057	1 0042705	4 E29614E	1 1540312	1 0435577	1 2026746	0.8270812	0.8931469	0.7376085	0.99135345	1.0252755	1.0009165	1,5575988
Phase-1 RCT-50	1.202367	1.2890792	1.1351724	12189993	1.1384875	1.0837743	1,2461538	0.9782083	1.0855274	0.9431125	1.0755401	1.1447283	1.1445996	1.1174988
Elongation factor-1 alpha	0.79609543	0.7539177	1.0056561	0.94428396	0.9122947	1.1391783	1.147543	1,3263549	1.1669997	1,3890283	0.9479592	1.037878	12201952	1.0037752
Integrin beta1	1.030491	1.0791886	3 1.2620445	1.6348858	1,7152888	1.4879615	2.1998462	0.98758763	0.8914644	1.652007	4 2395997	2.9845393	5.7773447	0.8528955
Insulin-like growth factor binding protein 5	1.2746615	1.274803	1.2371931	1.5796949	1.1233504	0.9386792	1.0503732	1.4017192	1,3615627	0/8/8/9/00	1,5259783	1.708130	1 152/51	1 5674758
Phase-1 RCT-59	1.6581818	1.464241	1.141/861	1.5161198	1.3364022	1.3043/40	1 4237263	1 589631	1 4968085	1 1222421	1 0513434	0 94183534	0.9526343	0.9845017
Phase-1 RCI-76	1.0335232	7.02020	1.120/304	4 046603	0.3701704	4 487773	1 0238458	0 92223	0.95956045	1 13628	0.96779484	1.1391671	1,4343405	0.87942684
Perutin H-chain	0.75/2034	0.764286	0.0422	0.81173064	0.7433949	0.825286	0 70782405	1.103384	1 2910308	1,4838573	1.1844256	1.0415827	12144527	0,97692454
PTENAMAC	1.1964879	1.138710	1.1796491	1,0095509	1.0642722	1.0763848	1.0832855	1.0392574	0.93531907	1.2583579	1.1401237	1.0498711	0.9563249	0.8753091
Phase-1 RCT-214	1.0126282	1,0271447	1,205471	0.92668635	0.9358127	0.73037773	0.690338	1.0903677	1.1875656	1.1366471	1.1611977	1.1406759	0.8960642	0.87483346
Phase-1 RCT-112	0.8890279	1.011720	0.7148385	1.178742	1.3825355	0.91534525	1.0349215	1.7406838	1.8159626	1,3983512	1.1102444	0.89577895	1.0146359	0.7884162
Thymidylete synthase	1.1583619	1.1121128	1.0964017	1.1336917	0.8667154	1.0024775	1.1142136	1.2201033	0.8357665	0.93897796	1.1650736	0.64264643	4 0222564	1 2223364
Phase-1 RCT-13	1.2910928	2.085085	0.95971507	0.6549628	0.7222696	0.540518	0.75769544	0.72521596	0.9/2109.co	4.2100004	1,0101333	0.8/02115 0.09126047	0 87318858	0.729894
Nucleosome assembly protein	1.2873944	1.1155067	1,304641	0.5458274	0.60915440	O.BZUGSGSS	O. BARROOT	1.03337.00 A 89352673	0 99141353	0.8918626	1.040704	0.9511864	1.0649444	0.48339888
Cholesterol 7-apha-hydroxylase (F450 VII)	1 204260	1.103507	1 0212178	1,1228423	1.0713283	1.0328276	0.81123275	1,1113336	0.93849754	0.9807245	0.7745359	1,0937743	0.8932806	0.9244186
Phase-1 RCT-260	1.116252	1.097461	9 0 89906836	1.0498264	0.9689748	0.90759724	0.86440694	0.8359804	0.7110251	0.63605934	0.79424375	0.8397519	1.1128122	0.587365

									Francisco .	4 07557361	4 04060461	4 31/445RG	0 91888761	0502914
Phase-1 RCT-32	0.9765954	0.9935358	1.0687232	0.5271179 0	72256464 0	62993914	1.0184817	1.04///51	1788 3371	005000	4 444 1675	1 151111	1 2769445	1.076412
Peroxisome assembly factor 1	1.141516	1.0456965	1.3317791	0.995773	0.963964	0.9/19321	0.9849/49	4 2477132	1 2628317	1 3998804	1,2313519	1.1952983	1.3921142	1.0041099
8-oxoguanine DNA plycosylase	1.0713483	1.1141229	1.0104282	97552234 0	.96663816 U	0.0203	0.9505065	1 077774	1 0077637	79405135	1,0103595	1.0150058	0.9358118	0.9103996
Phase-1 RCT-82	0.99012923	1.0227041	0.9167779	94523364	2120118.0	0.37024	27,000,0	1212121 A	1 3104578	13659061	1.0541829 0	0.90090686	87839675	0.6822251
Matrin F/G	0.6979404	0.7781702	0.7789843	0.97352654 0	74574697	1.0244833	0.7000470	201070	0 02073/15	BESPERSE	0.7399369	0.6888908	0.7538614 0	96331525
Phase-1 RCT-184	0.80998623	0.89306056	0.9928175	3.85227796	915/9914	22200000	0.70000	4 4 3 0 B 2 4 4	1 2306973	1 089795B	1.0488372 0	3217925	0.9547466 0	.68627584
Phase-1 RCT-168	0.70309716	0.718448	0.91460824	0.6079588	73663420	7.7203303	4 0472708	1 8847816	1 9680895	1.5405396	1.1503268	0.881557B	1.0061892 0	.91817737
Phase-1 RCT-119	0.56685615	0.79779637	0.4444278	1.1//582/	9000000	4 0002004	97185179	72265494	0.86750823	70596236	83288616	0.9132565	0.6885329	1.001335
Carbonic anhydrase II	1.0207461	1.0168145	0.8452058	1.9561//13	1 0740151	1 0610945	0.8214706	1.1305271	0.92482793	3.98454016 C	75196797	1,0617217 0	.88142693	1.1871979
Tryptophan hydroxylase	4 40C3CCE	1 2160507	1 157805	12167754	1 2744727	1,4593581	1,1782391	0.650678	0.7249302	0.7228908	0.9070039	3.96194255	1.0990123	0.891835
Phase-1 RCI-71	1 1183518	1 1392597	1.6448033	1,0510439	1.1152711	1.1304893	1,4103645 0	0.98533463	1.0486461	0.9897033	94217426	0.87674165	1.1014341	1,3035247
Phase-1 PCT-161	1 2625333	1,2073402	0.84421533	0.54723287	0.6981513	0.73279506	0.6350764 0	0.91538167	0.89370114	0.86586787	100000000000000000000000000000000000000	4 ACC 540G	1 0972998	13269582
Dhora 1 DCT-207	1,5319546	1,3697967	1,3565191	1,565766	1.6328045	1.5113041	1,4598675	0.93142//	0.9001313	0.002000	4 0400000	4 0400474	1 0036704	1 4811122
Dhaen 1 RCT-144	1.045583	1.0295572	1.4272898	1.3024839	1.0295275	1.2864944	1.5411105	0.8180547	0.9444373	0.348230	7 7007703	68456277	1 1247225	1 2019472
Phase-1 RCT-226	1.9433713	1.756609	1,5543699	1.3099439	1.3771476	1.2915497	1.0569124	0.7431/85	0.657.6372	0.0402514	0.5667768	0.5373628	0.8894759	1,1737031
Cylinchiame P450 2E1	0.68671435	0.94885576	0.81840557	0.6181762	3.92738557	0.9631865	0.7051388	0.0000102	4 000000	4 4825088	0 9680634	1 0259444	12747144	12996411
10.	1,3212638	1.1135905	12173277	1.088379	1,0999694	1.0878427	0.9680617	1,0950611	1.003032	0.0053000	05074054	1 0051847	11137347	1.0569836
Diamedado-1 (Trx1)	0.78709346	0.73967918	0.9447732	1.1122036	0.8840528	1.0914489	1.1118892	3.8825/0/4	0.0004014	0.9188001 6.0889818	37300512	0.25124756	0.24674235	1,690513
Cathode antwerase III	0.6906969	0.63346505	0.4966585	0.17678028	0.2384934	0.40.352432	7.1001	100,000	1 0000705	0.08740574	1 16920073	1 1787413	1.1103021	96351254
Phase-1 RCT-140	1.0644251	1.1694596	1,0911108	1.0865616	1.0969074	1.0047368	0.9793972	1.1210210	4 EDEROR	4 70850R	1 0077742	1 2969205	-	1.2837081
Complement component C3	0.61330146	0.58074963	0.6681487	1.4179657	0.664.32405	0.55695313	0.7443023	0 882147	0 77815014	0.65435094	0,61172915	0.72673666	0.7566555 0	97883075
Glucokinase	0.63623565	0.46073908	0.43052658	0.6858354	0.006/3334	0.302/4 120	4 OEE0724	95078784	0 9157706	0.79854673	0.9244243	0.6900832	3.69806494	0.9696882
Phase-1 RCT-173	0.9979192	1,0508506	0.8692899	1.1722472	1.5163651	1 0.1820135	0 9724375	1 0053837	1,005991	1.1368607	1.3501028	1.2921016	1.2632618	1,012207
3-methyladenine DNA glycosylase	1.0614316	1,0816694	10342919	1.000/34/	102010201	102000	1 0181079	0.90688086	0.9705853	1.0268742	1.0787603	0.9120428	1.0482578	1,1241759
Peroxisomal multifunctional enzyme type II	0.7015513	0.7502904	1.0430362	0.11103203	0.3734313	0 0119/71	0 68221R5	1 0952585	1.142313	1.1814307	0.8589244	0.8829776	0.69520997	98254955
Phase-1 RCT-40	0.6229137	0.6459498	0.6521928	0.7290837	0.70073737	0.011047	0 2292552	0.49541765	0.6894271	0.54466786	0.37514776	0.2975678	0.28992137	1.0017437
Senescence marker protein-30	0.7016908	0.62855463	0.900/829	1,000,000	0.43323324	1 0424551	0 9836932	0.87754387	0.81824696	1,2084734	12109188	1,2326605	1,9763862	2.088708
Cydin G	4 050304	2.003047	4 non1425	1 0R15402	1 0290729	0.921649	0.92964935	0.90120375	1.0673268	0.89627165	1.0344168	1,0140196	1.0908341	0.8575986
Melanoma-associated antigen ME491	1.030204	4 0707657	2017670	4 0646989	1 0621829	0.9407379	1,0068051	0.99971604	0.98896086	1,012839	1,0607709	1.1581924	12116109	0.892419
Phase-1 RCT-28	1.0331784	1 0605819	1 1607376	8000288	1.0237916	1,0327363	1.0028857	1.191149	1.3089138	1.3182248	1.1625932	1.207086	0.9500165	0.9398523
A series of debuggerences 4	0.8109528	0.7032518	1296872	1.1103113	0.66082174	1.0658169	0.6552218	1.3076109	0.8710622	1.0632415	1.1/2/13/5	0.6712.01	0 303377	4 224 67 69
Comment of the second of the s	0.9345752	0.966133	1.0268097	0.34454077	0.51370895	0,56619567	0.22151265	0.5132113	0.71000636	0.5756638	0.55582307	0 62607476	C TOORGOT	0 94 18805
MK1 stress activated omisin kinase	0.60101223	0.74251676	0.61773896	0.86058974	1.1645037	0.9639035	1.3363843	0.78313184	0.81/2/164	0.0/0.00	0.0130634	1 1739056	0.7247781	0.8703914
Protein twostne phosphatase alpha	1.1184781	1,1073129	1.0483415	1.0275316	1.0674065	1.1852217	1.1040797	0.55017570	0.7911830	7498632	0.74123713	0.7852803	12751788	0.83056843
Phase-1 RCT-55	0.95936024	0.9936812	0.99093617	1.6404183	1,1585383	1,0314520	4 2050537	0 80612004	0.97168195	0.830269	0.8264602	0.77882564	0.89220107	1.1171154
Ubiquitin conjugating enzyme (RAD 6 homologue)	1.0578318	1.0162641	1.0737911	1.1992924	1,318/292	1.0730133	0 7257783	1 5087933	1 6813105	18233294	1,0909226	1.3671016	1.0124493	1,3555889
DNA topoisomerase i	0.7523254	0.7558974	0.8580351	1,654/451	1 133207R	0.64291133	0.8680679	1,0887243	1,1900065	1.163371	1.1028711	1.1484097	0.8714736	1.0523067
Phase-1 RCT-280	1,00041	1.1102397	1.0/31220	4 240530R	0.0377136	1 1496788	1 0753816	0.8297366	0.78253096	1.0818027	1.1022016	1,238344	22081156	1,9049118
Superoxide dismutase Mn	10/0/450	1 0064555	1 8121955	1 1010879	0.92172986	1,1136973	1.0944594	0.6796358	0.73948157	0.7929099	0.7704448	0.78493094	0.9101544	1,6775364
Beta-tubulin, class I	0.44682667	0.6316168	0.3957071	1.0802811	1.589407	0.99801207	1,3837053	1,880389	2.0008721	1.5841895	1.1571717	1.1347629	1.125992/	0.047840
Carbany phosphate synnemics	0 9489499	0.8788513	0.99973106	1.2605964	1,0827365	1.0802425	0.9733509	12235581	1.328022	1.4205681	12109627	1.1/5/2/1	4 4424000	3 916892
Dhaca-1 RCT-144	0.8889487	0.8995686	1,0170379	1.9873008	0.88708836	0.8250342	1.1997352	1.1787006	1.32/0382	1,3103431	12055304	1 1915461	1 3609718	1.1379418
14.3.3 zeta	1.7373629	1.5443193	1.8863462	0.8915179	0.9684742	1,0023837	1.1124685	0.3335610	0.0002194	0 68238837	0.722098	0 7412685	1.2082703	0.8907283
Gamma-actin, cytoplasmic	0.39256	0.4703287	0.95522875	1.74825.22	1.0943034	1,03912621	1 173499	1 214916	1.076386	1,3602656	1.1363965	1.3774645	1.7437706	1,0061979
Ribosomal protein L13A	0.80546594	0.8047/39	1.1515510	0.0301153	0 0987163	1 0898058	1,0947839	1,1234558	1.1056814	1,2936368	1.0585237	1,0550933	1.4051398	1,0552816
IKB-9	0.0007.004	4 50000	4 6698010	1 2830735	1 0583618	1 1322846	0.92644954	1.1280415	1.1846508	0.97674537	0.8904515	0.8456168	1,0383489	1.12/4593
Phase-1 RCT-65	1.3030333	4 4556346	1 4238328	1 6697975	1.3991966	12085371	1.2163249	1.0891458	0.98026156	0.96013635	1.7872092	1,83753	1.6349264	1,5117762
olum olum	2 9379618	1 9554826	2,1191454	1,851129	1,1381216	1.1273929	0.75628245	1.1538911	0.9335246	0.9894401	1.1142278	1.0938298	1.3175815	1.135434
UNO Con melinipos	1,6846074	1,5899711	2,4152234	1,508698	1.5567368	1.788274	1.1809659	0.9959766	1.1870943	1.1858786	0.95650174	0 9450333	0 03584333	1 015631
Phase-1 RCT-12	1.3167604	1.2147846	1.575243	1.1880559	0.95488673	1.0621902	1.0293599	0.70430505	0.798/525/	0.8570461	0.0244391	0.0400	20000000	
Interferon related developmental regulator IFRD1		,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,		4 EPEN177	4 4254776	4 332879B	1.3681786	1.0549568	1 2323107	1.2892762	1.4393816	1.2545093	1.3299127	0.8557413
(PC4)	0.82858255	0.614160	4 0062334	0 6593933	0.58800477	0.5448911	0.77725303	0.58422406	0,6370983	1.0420642	0.8502695	0.86646473	0.9449574	1.0021307
Gucose-regulated protein / 8	0 9776313	0.90866107	0.95843005	0.6587421	0.86292493	0.86585604	0.8566523	1,3470904	1.1451674	1.3635805	0.92341864	1,0251063	1,0348294	0.74 14203
Grende &	1.0213523	1,0399905	1.1597272	12146997	1.3018749	1 2252991	1,327785	1,3398557	1.0795299	1.5765334	2.7078635	4 0007727	1 05527884	071014994
Phase-1 RCT-169	1.1969987	0.98553866	0.8199591	1.1758924	1.0246239	0.9600401	0.87695265	1.4113702	1.21/0441	1.0500/35	4 4957703	1 261693	13718771	1.1491425
Phase-1 RCT-197	1.428255	1.2697457	1.2926725	1.3312808	1.0529103	107/1221	1.173303	1.0729241	0 96376246	0.9899156	0.9474135	0.89433604	0,9985528	0.56059134
Phase-1 RCT-34	1.491065	1,297,1586	22257657	1,6183391	1.125/191	1,000001	1.0000000	0.0750	2.000					
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	00000000	1 2051000	0 0330081	1 220915E	1 0102443	1.01584710	97895825	1.1464983	1.0443296 0	.80095553	1.1727227	1.1287936	1.1589706	87906386
hase-1 RCI-72	A 0707488	1039805	09244584	1 310553	1.1250604	12651156	1,438451	1.125992	1.0220395	1.153401	1.4635667	1,3940432	2.37493333	113200/3
yruvate kinase, musce	5001000	D RARROT1	0.825559	0 5877835	0.8405039	0.7309396 0	78033084	1.1803731	1.1219181	10682801	0.9585158	0,866215/	4501550	2100000
hase-1 RCT-288	2000000	0.00000	70007	1 0310557	0 9741344 0	94473395 0	96501577	1,202184	1.0592045	0.9252737 0	.98732775	32549646	1.250218	759776870
hase-1 RCT-90	1.1230330	1.07.31443	0 0220058	77848107	6739169	0.9432898	0.6619947 0	.81860423	0.6046824	0.9422943	0.6461741	0.9845355	0.9965333	50500643
(yochrome P450 2C39 (alternate clone 2)	0.500397	4 0436033	0.00220030	1 5517427	2 5579891	2 2453704	1,4712263	3.369701	3,4472518	1.5788835	2,6867843	2,8580656	2.9664836	98220486
hase-1 RCT-290	4 4007674	4446063	4 0730088	4 1847367	1 0149386	0.8631498	0.9329318	0.8093228	1.1257263 0	76027846	1,0806499	0.7904302	7,4286/65	1.3317003
hase-1 RCT-261	1,100/32/	0000000	1 024867	0 47462487	88123745	0.7429085 0	88753676	1.0667351	1,189396	1.1571285	0.9626617	1.0596149	0.8254522	1,5866887
Aethylacyl-CoA racemase alpha	0.009851.30	0 0427443	1 0649981	0.86729383	1.0542787	1.0513836 0	.83696537	1.103884	1.0271416	1.1089509	1.6198796	1,6332195	1.7520/02	0.5617653
Cytochrome P450 1AZ	4 4452150 0	F7104374	1 0862836	1.4393283	0.8863087	1.1271632 0	71075433	1.099374	1,0114012	1.1270303	1.4237572	1.3949212	22414140	1.1180013
Prase-1 RCI-29/	C 2000	0.6870812	0.6515048	0 8816308	1 0934503	1,031484	12122272	0.8476727	0.8014571	0.7596822 0	7893855	1.65505594	0.743303	2012121
Koncamine oxidase B	0.020301.0	0 6776802	186.524	0.41136658	0.8149429	1.0465931 0	91923165 0	97059774	1.0655019	1,317,1585	1.1905481	1.43514	1.133/220	2042405
Phase-1 RCT-264	4 2000045	4 9347007	436105	1 2041274	0 R344921	1,049409	0.9426634	1,3222736	0.8761163	1.010359	1.1754947	0.6825/654	0.53//84	0.0231003
Peroxisome proliferator activated receptor gamma	1.3003943	2036024	0.000	0 8664556	0 8654708	0 8306449 0	0 85929223 0	0.83194005	0.8604359 (75749457	68697083	0.6634976	0.74594206	1.0428051
Phase-1 RCT-143	0.7649899	0.7733007	0.02020.0	0.0001300	0.0004 m	0.0510178	4 0267769	1 1143547	1.0246295	7.70762277	1.1087512	0.9005291	0.860347	0.9087297
Phase-1 RCT-251	1.1038234	1.2338924	1.5212948	346.44464	00071/97	0.3013170	4 4644074	1 0641036	0 9344127	1 2772627	1.081562	1.1806842	1.3423902	1.0850227
Phase-1 RCT-117	0.9881053	1.1120746	0.9101379	1.1977521	0.845/9223	LOSSOO3	1.101.07.1	00,000	0.0070686	187777965	72739494	0.7845014	0.78733015	0.7996766
Christiana Creaciones Bala-1	1.1376265	0.9112899	1.1771144	1.1187501	389765066	0.8948/656	1/16//18	0.3330103	0.022.0000	0040000	9033500	0.9505205	0 9845587	10163268
Glucial de September de Septemb	0.84276175	0.8182798	0.8016678	1.012001	0.9828069	1,0067225	3.96902718	90848714	0.8040283	0.00000	4 200773	4 268886	1 8791403	0.8364059
Dissert DOT 448	0.7516593	3,82975745	0.82010514	1,0430917	1.0063423	12136445	1.0126966	1.0846987	O State	1.0020240	1000000	9776300	0 8455058	4 1203183
1836-1 RUI-140	0.7169319	0 7386055	0.88265777	0.68291044	3.95167303	0.9045574	1.018691	0.8851717	0.9125772	7008/60	1.02002374	0.0000	200000	4 0657377
Phase-1 RCI-142	1 25836RG	1 3600518	1.1434455	1,0929235	1.1568772	99639994	1.141398	1.0229123	0.92188	1.1650026	1.0993157	1224/828	4300333	1,030131 1,750075
Activin receptor type II	0 82769077	78277063	0 47893095	1,422604	1.4278162	1.2904472	1.1688279	1.8319579	1.8522241	1.2742463	1.3818951	1.1/11484	0.89151623	0.00000
Glycine methytransierase	1000000	4 0000155	4 4453474	0 00000771	0.9807304	10131443	0.9793517	3.82927483	0.69272727	0.89797765	0.67014194	0.900/355	1CCBL1670	0.503020
Phase-1 RCT-281	1.0400433	1.002023	0 97930993	1 1524942	1 0350003	0.9727726 (0.97211814	0.9180043	0.91302955	0.9376068	1.128474	1.0986992	1.1790683	1.0477725
Ciliary neurotrophic factor	1.00233	1,0313614	2000									_		
Gap junction membrane channel protein beta 1 (Gjb1)	1,000,13	1 570037	1 2501008	1 17787	1 0034227	1.131621	0.94002247	1.511367	1,4069719	1.2774432	1.1175416	1.0791687	1.0683111	1.3499727
	420,7047	4.000004	000000000	4 4640755	4 2020116	1 065725B	1 0335135	0.6586562	1.0297145	0.67877644	1.0211611	0.6692649	0.6578618	1.1453/61
Phase-1 RCT-96	1.11185	1.1098901	0.900000	1.1040/33	1000000	8005000	0.0081947	1 1592728	1.1467422	1.2848513	0.985082	0.9427435	1.0710658	12319392
Phase-1 RCT-287	0,6799559	0.8218606	/cc22/8:0	0.7677923	03770001	0000000	1 410427	D 5894845	0.69989324	0.70517548	0.7188229	0.6278484	0.830657	1.0971389
Retinol-binding protein (RBP)	0.7777509	0.7209648	0.91300464	0.5631312	0.87420837	0.000000	4 0650064	4 206127	1 4394878	1 1892656	1.1231556	0.8315052	1,0412644	0.9551895
Very long-chain acyl-CoA synthetase	0,6126798	0.6969633	0.8924961	0.5179292	0.861/0/8	0.5053050	1,000,00	1 3700069	1 3917102	1 4035045	10157151	1,2288493	1.105853	0.98118503
Syndecan-1	0.823517	0.9534054	1.0173365	1.0673054	0.3896318	1.0031840	200777000	4 024344	1 2007 154	1.0744473	1.0188274	1.1994534	0.94520295	3,84118664
Saltrain	0.99498814	0.97222936	1.0125381	0.88833386	0.92/4888	76651997	0.3070200	200000	4 4 4 4 0 3 0 9	1 04167B4	1 129584	1.188296	1.1855325	1.387732
Phase-1 RCT-145	1,0146587	1.081242	1.3707421	0.9824117	1.1154706	1.1613619	1.4130874	2000000	4 5077496	1 2005282	1 0270444	0.9151215	1,0188586	0.9279841
Avia	0.7151237	0.7845108	0.78366166	0.90172785	1,0255268	0.9317478	1.065205	1.5162003	207145704	0 804 00 305	CAPRRIA O	0.72818237	0.9088495	0.85328746
Dhace 1 Port 89	0.70116514	0.8098664	0.6738975	0.8268155	0.7989825	0.8780669	0.8094129	61206219	0.37 137 04	0.0013030 0.74756576	0 00330744	1 0694333	0.7468906	0.86631876
Titage I Not the Calcum ATDaes	0.81933045	0.91054845	0.9407387	1.0431494	0.9994877	1.0213084	0.9494347	0.6360649	O SOCOCO O	0.74200370	0.00000	1030000	0 7402446	1 1745716
Salcopidanies remoining commence 2	0.60837245	0.7243561	0.6533154	1,1841588	1.0675273	1.1136976	1.1515889	0.752406	0.6253649	0.7330202	0.7377	0.00000	0.00077115	1 0613654
Minia-Andready County Sequence 2	1.0048233	0.9917453	0.8797809	0.93221736	0.9458528	0.9514657	0.93743455	0.8564882	96976626.0	COCCOO.	0.07 10.09 P. 0.00 P. 0.00	4 0586387	O GOOT TRIGING	0 7752485
Macadata and other lands factor	0.9210019	1.0694557	1.0181099	1 232579	1.1143339	1.0733064	0.91696715	1.1249114	1.0/30/30	1.0404040	0.0000	1		
MADA decorded isochate debudroonase, cytosolic									200000	4 4000000	0 9700033	0.85504957	0.88153905	0.87158066
Company of the second s	0.66397125	0.69811296	0.69811296 0.93944216	0.6731242	0.86180174	0.8695845	0.7619873	1.0742316	ACTORETO O	0.0053641		0.57448355	0,6387776	1.4791478
DMA Nading profess implator ID2	0.9744039	0.71720666	1.3218611	1.0271237	0.8167857	0.933494	0.8743746	1,2443/10	0.557207	0.4733658	0.36544788	0.4867188	0.49295157	0.4594853
Glidathione S-transferase Ye	0.53966254	0.7389294	1.4423342	0.9708739	1.0014282	1.4112833	0.00000	0.40004744	810018	F3CF0477	4 7215178	1.3516474	1,1058848	0.7693059
Forwide hydrolese	0.6862323	1.0426985	1.4567034	0.90875006	1.1397141	1,0073879	BCB9GR.0	0.87891744	0.0013010	4 1878702	0 9036402	1 00528	0.81827474	0.8206819
he drafte provid factor 1	0.6110028	0.64836454	0.85561097	0.39940462	0.7515592	1053443	0.773371	020000	7000306	O AGREGANA	1 1216041	1 0437902	0.42912528	1,4759933
Prostantandin H synthase	0.90963875	0.9116898	1.0112214	1.1538016	0.80808085	0.64341233	0.8750062	0.07777	4 0076684	0 9281422	0.8206202	0.78960884	0.8458243	0,9050988
Phase-1 RCT-136	0.8642812	0.8084587	0.91958076	1,2589561	1.0150054	1.14.10204	1,0000010	77/2020	0 5031565	0.5154074	69768	9928737	0.47308818	1,0644438
Phase-1 RCT-137	0.61840427	0.6668874	0.6924071	0.58854755	0.8056044	0.7472117	4 0504443	0 00041397	1 1484233	0 9435636	1,0449989	1,0146238	1.103622	0.9515151
Phase-1 RCT-138	0.8139114	0.76936707	0.7287646	0.991785	0.9361/86	A STOCK	97974400	0.0500738	0 0024732	0.8414882	0.61175096 0.618	0.61879224	0.6083279	0.6948311
Henalic linase	0.618248	0.6378238	0.6541856	0.7407295	1.0206772	1.033916	0.03411040	0.0333730	0.70055795	O ROM 9466	0.82917947	0.73298746	0.69958496	1.1479527
Phase-1 RCT-164	1.052789	1,0387545	0.9738725	0.7387421	1.0051512	0.0824300	4 4 24 4 4 4 6	4 2001842	1 8161801	1 7394908	1.3939964	1.4618571	1.2701157	0.9591058
Acyl-CoA dehydrogenase, medium chain	0.6681896	0.73497768	0.8509149	49 0.75147873	0.93522894	1,00001	131410	0 08762413	0 00362547	0.97085565	0.8849539	0.666649	0.89322424	0.9781157
Glutathlone S-transferase Yb2 subunit	1.4683801	12706721	1.6482669	1.0668353	1.109206	1200001	4 4024700	0 8822905	0.94331255	0.97677255	0.9211088	0.8390097	0.9687308	1.0108418
Carbony reductase	1.2387751	1.3406733	1.6489731	1.2528102	1.165122	1.296501	1.1651700	4 005518	1 0200796	1.24116	0.9592509	1.1648946	0.90977895	0.6905391
Phase-1 RCT-166	1.1702813	1.0960737	12450941	0.6487852	4,0000543	1.0300003	1 2018619	1 1369575	12475556	0.94418926	0.6835451	0.5955013	0.6697731	12130343
Apolipopratein E	0.7743144	0.6881262	0.6585196	0.928/490	1,0023342 4,0343784	0.63161367	0 97891134	1.0510561	0.53353316	0.81965584	0.70832896	0.85401475	0.73240805	0.67164093
UDP-glucuronosyltransferase	0.9701816	0.5791312	0.91385826	0.7333660	1.0312/04	0.0047003	0.0040238	1 3464 106	1 2485857	1,368057	1.062414	1.1086987	1,2957633	1,5228882
Glutathione S-transferase P1	1.046242	0.8791939	1.0556283	0.8047586	0.72750004	0.8317833	0.91053265	0.9619372	1,3666005	1.1474563	0.8311747	0.8345962	0.66925408	1,055566
Disuffide isomerase related protein (ERp72)	0.624636	0.03030104	0.004033	8867696	0 919784	0.7931068	0.8918138	1.3992227	1.6163841	1.3990438	1.0236472	1,1881607	0.8448622	0.7014391
Ribosomal protein L13	0.0301 23	0.0210110	0.7472020	1 4016721	0.75638366	0.6796677	0.969899	1.0726981	1.0273452	1,1178793	0.9304262	0.7088529	0.81327564	1,7433281
Ceruloplasmin	0.10-00-00	0 7471196	0833308	2.482528	0.88118374	0.97248274	0.7414251	2.0220923	1,95615	2.3128557	1.5071385	18032981	1,5355516	1.0045002
Inter-alpha-inhibitor ret neavy cram (wir-y	0.000							l						

					-	0 10001000	7,700000	1 4074000	1 404 5040	4 2404000	1000000	4 20407041	1 Edboooel	27770
Trase-1 RCI &	1,1004.384	1.1501107	0.3456611	1,00001	1 2554244	1 2140459 0	1303C0C	0.107 1992	0.0010019	0 8170301	0 8389441	0 777748	0.8076151	0.78744
2 hadron drops through debudonesses	0 70146916	1000101.10 0 83943594	0.5143/03 0.770285	7432100	0 7561901	0 884804	0 9149337	0 8277882	1 2607054	1 1288584	1 0976995	1 1497388	87653065	1.1085272
Corporal artification of the contents of	0.8635307	0.5877457	O SAGORSSG	0 6346176	0 5020644 0	08946077	0 8972156	0.5325951	0.7385818	63316447	0.6703156	0.66114163	0.7277851	78337973
Phoen. 1 PCT. 10	0.68178403	0 7836202	0 74877095 0	75418925	0.8675261	0.9189549 0	.85587025	1.0351574	1,1761658	1.138755 (88146365	0,8325126	0.8599505	0.946281
Aleba 2-microchadio	0.646949	0.69024235	0.6538981 0	24538724 0	67961196 0	74327624	0.8066738 0	58562934	1,0555866	64044978	1.0600961	0.5842834	0.6088018	1.188323
Duranto-1 (0.100)	0.8979196	0.9604158	0 7104977 0	75078725 0	88091105	0.6973461	1.0049694 0	.82499427	0.9049312	1.1469686	0.7323744	3.76084006	0.8961461	1,0491279
Lysyloxidase	1 2238672	1.20926	0.9930742	1.226397	1,1308986	1.128244	1.1930357 0	.95042646	1.1041814	1.1143199	0.9515135	0.9275004	0.96862894	1.4846773
Prese-1 RCT-252	0.4549	0.59226066	0.40329596	1.0547057	1.4641013 0	93950504	1.3352876	1.4997423	1,5884085	1.2900386	1.0919158	0.9534192	1,1148185	0.8542397
Phase-1 RCT-29	0.97870624	1.0422392	0.9043129	1.6171836	1.0017033	0.8946002	1,0237625	2,0998867	2.0364356	2.1321588	1.6043705	1.8277032	1.4717363	0.9127807
Phase-1 RCT-278	0.6872757	0.71744883	0.6749593	1.4619076	0.8910838 0	3.90573764	0.9869444	91411793	1.2119538	1.1583045	1,300823	1,6617607	1.5851898	1.116991
Phase-1 RCT-42	0.91143924	0.9746476	1.2060474	0.8501688	0.966008	1.0482986 0	97068626	0.791565	0.9517265	97813046	1.0597265	0.9066088	1.0260361	91951126
Phase-1 RCT-25	0.8552511	0.8683437	0.8508555	0.9444034	1.2284882	1.0555804	1,0608	0.907832	1 0382077	0.96702313	0.8743187	0.88926005	0.88185483	92061555
Cytochrome P450 2C11	1.1453772	1.0146345	0.7590536	0.2469312	0.7128711 0	.70903105	0.7544719 0	36215615	0.8493202	0.6369264	1.0798997	1,0891011	1.3067367	1.3689153
Phase-1 RCT-202	0.79168826	0.8221577	1.0404505	0.8248977 0	77282506	0.9357581 0	0.98592474	0.9940603	.94559664 (3.98929864	0.8708	0.8435807	1.1623174	1037254
Complement factor I (CFI)	0.6856029	0.75143075	0.79658914	1.1582825	0.9330466	0.9467811	1.0472502	1.0584601	1.0355911	1.0922947	38166066	0.92141485	1.0727865	1.1352687
Proliferating cell nuclear antigen gene	0.95599836	1.0392687	1.0753464	1.0233837	1,0582508	1.0332854	1.440239 C	73302305	0.80109733	0.6425847	1.1085594	1.4573044	1.2800853	1.0867621
Activating transcription factor 3	1,3956591	1.3707942	1.0578363	1.1613007	1.2657187	1.0803897	1,9803959	389016	716261	1,5113707	1,5044177	1,6554366	12586535	1.0436833
Focal adhesion kinase (pp125FAK)	0.86227465	0.9659454	0.88852865	39995065	96900696	1.0027155	479146	0.9528391	0.83860584	0.9418911	1.1970491	1.1677649	1.1902968	1.1562841
Phase-1 RCT-289	0.8041027	0.7676363	0.71858335 (0.70841634	0.9003491	0.8787054	0.9052573	.63953817	273439	0.6261101	7.0895055	0.49682537	0.8197219	98401165
Phase-1 RCT-259	1.2466869	1.086518	0.9737212	1.1680113	0.9565508	1.0064111	0.8749674	0.821249	446205	0.7447548	0.9670674	0.88065	0.99443537	1.167106
kon-responsive element-binding protein	0.72309434	0.77562404	0.8603781	0.8902442	35509243	1.0993336	.89079094	둜	0.83352914	1.0021856	1.1025468	1.0898357	0.9618915	.B2877773
MHC class I antigen RT1.A1(f) alpha-chain	2,1449192	1.4497671	1.8760674	1.4781014	1.2152092	1.2089397	1.0774136	1.0842497	92200035	0.9978906	1.0085784	1.1232988	1.1749231	1,0293,048
Any sufformsferase	0.60490274	0.71350336	0.77224684	76426035	1,0308762 0	0.91832286	1.1811095	0.8237616	0.7591778	8 0.70132506	0.8658494	0.65/42/65	0.81/3/846	1.10/1453
Phase-1 RCT-171	1.1977684	1.1972517	1.489433	1.2207053	1.0606802	1.1861702	1324431	0.8347883	1.0156152	0.87559633	1.0268374	0.98429716	1,0633305	91196024
Phase-1 RCT-83	0.87385666	0.8514255	0.703798	4445636	0.61425054	0.695688	.58178884	3.49617246	3.47574538	0.49984694	0.5686644	0.40606368	0.5780777	1.0318472
Phase-1 RCT-270	0.69059134	0.7464272	0,71072185	0.73459053 (0.72209823	0.7418329 (0.65380836	1.1333648	1,1018115	1.0454168	0,80576557	0.63894224	0.70646155	70144045
Colony-stimulating factor-1	0.6959585	0.8337081	0.95197517	1.0182983	1.008924	1.0458354	1.1271528	1.1887908	1.1724796	1.1426857	3.83745813	0.9575367	0.9545946	12207574
N-cadherin	0.98585945	0.98893994	1.0482159	0.9329733	1.071009	1.194199	1.0310084	1.446161	1.1049708	1.2167624	1.022746	1.0103451	0.9469438	0.7096729
Phase-1 RCT-62	1.2671018	1.2936412	1.8225497	1.2931248	1.0587088	1.4066881	1.8141859	0.9232755	3.99003774	3.88858616	3.91999674	0.82017183	0.88536807	0.725548
Phase-1 RCT-22	0.84972817	0.8792757	0,88683826	1.2495031	1.3027936	1.0094765	1.0785954	1.0626891	1.1530058	1.1023121	1,0882842	1.130933	1.1346308	1.0203409
AT-3	1.0431468	1.1145523	0.9902331	1.0087068	1,0246154	0.898/333	1.058324	1.15350/3	0.0000.1	1,2420351	10104302	000000	COCOCOO,	0.3040123
Phase-1 RCT-18	0.99389124	1.0472413	0.97038513	0.8542507	33307745	3,86502624	0.9352822	1.1701256	1.186242	1.1555504	9/38/1/14	0328280	0.3002.33	0.1003304
Phase-1 RCT-123	1.0321673	1.0694202	0.91825217	0.92865765	0.983676	0.8898334	0.9185084	0.7769177	0.0455472	70/65567	3,54842/bb	0.8002728	1 20004	CC COT 02 0
Phase-1 RCT-68	0.90790796	0.7976767	0.93/35516	0.8739059	7.81413084	0.8133947	0.7845338	70040070	7,73930,000	, 33 135333	200420413	0.01 0.000	2000001	1
Equilbrative nitrobenzythlomosine-senstiive	-	00000			,,,,,,,,,	77.7.7.0		100000000	40400304	37070000	A 5974594	0.4590558	O GABASSA	T2RAGEOA
nucleoside transporter	0.79438174	0.748589	0.74542354	0.6538464	0.744 1644	U./30411	0.3023463	1,46091466	4400000 F	1,032,070	200000	4 007574	4 380700E	O E SOCIO
Glucose transporter 2	1.1021179	0.95448595	1,326/401	33364773	1.1550145	1.16.52.297	0.9501624	3.0013403	1.1000305	12124023	0.000	4 7559470	4 (7777006	104769304
Multidrug resistant protein-2	4 424 5 5 2 0 0 4	1,021,308	1.3553312	1.5066205	4 0702455	1.3493134	0.80003020	1,033609	1 1501130	1,090,090	71345637	1 7838392	1 8551867	0 8200382
Mutuding resistant protess-1	4 4404002	1,0032400	4 4305544	1.0000000	4 0042703	4 426124	720000	1 1874875	1 1670923	1 0852433	1 0401433	0 R023219	0.9498924	1 5545673
Phosphatoyethanolamine-binoing projein	0.0787454	4 058127	1 5485451	1 1136477	1 3365963	1 204657	1 1749283	1,0408502	1 105789	1.0972698	1.0333387	1.1079508	1.129558	1,6825111
Inform hete.	1 2538141	1 3358333	117404	1 2358733	1.0428933	10040067	1,1219943	3 0.96531626	0.94130534	1.0872072	0.94030666	0.9239189	1.0466541	1,0988373
NADPH cutorhoma P450 oxidoreductase	2.470575	3.0290654	2 620774	1.1718748	1.2874634	1.1048917	1.1400257	1,2398516	1.1239922	1 2259748	22817433	1,7581413	1.5045872	1.8976146
Weff	1,5965804	1,9765271	1,4530739	1,1675323	1.059205	1,0292932	1.1005839	0.7141936	0.7121161	0.58585765	0.84618846	0.7955998	0.85141283	1,6755202
Endogenous retroviral sequence, 5 and 3' LTR	1,1178746	0.9171001	0.83537877	0.9585848	1.2251582	0.9398527	0.7380833	1.8042373	1.6444811	1222711	1.1164999	0.85208505	1.0026098	0.91527396
Phase-1 RCT-53	1.077646	1.1549873	1.1484795	3.90745616	0.8526189	0.8345308	0.8766553	12124081	1.1960037	1.193946	0.91169333	0.8649932	0.9004697	0.84252363
Phase-1 RCT-54	0.8857099	1.002523	0.92836314	3.77538586	1.0327463	0.830269	1.0472519	0.63260686	0.6152168	0.62892205	4.0678474	200000	0.8165822	1.1511629
Phase-1 RCT-240	1.2060/72	2272205	1.1205583	0.9550469	7.0013050	4 000000	1.0/30326	4 204 6624	1.130000	0.300,010	70774048	0 58071505	0.68250245	4 0608932
Osteopontin	0.5769330	4 2006447	0.703/44/	7271505	4 2040053	1390887	1342405	1 26365	1 104959	1 0768654	0.9679282	0 9304094	1 2239075	1 0445229
Digatal Burn Usinspound polytepage	1 1288794	1 248965	1 1822113	10154152	11147158	1.0487318	1 074939	0.93461424	1.0349308	0.7392674	0.91291463	0.8606292	0.85266393	1,3376423
Tissue factor pathway inhibitor	1.1402286	1,3005822	0.9122771	2,0508952	0.8978923	0.8889217	1.1299101	1.1489694	1.3696585	1.549656	1,7211186	2,0359976	1,782519	1,0495896
Cyclin-dependent kinase 4 inhibitor P27kip1 (alternate								1,005,400	4 000 45.00	95,600	1 2540444	4 94 BOADE	4 9342008	0.0000000
cione)	1.24806	1-2903044	1.4500/34	71862317	1.210401	1.0400300	12110130	0 00148045	74202444	A 58870101	0 824570R	O ROGORAGE	1 2552116	0.7481617
Phospholipase U	1 4639477	4 287B054	1.0104013	4 4822042	1 0050671	0.8013030	1 0074575	1 2143772	10152364	7887887	1 4321759	1.4483717	1.5939032	0.9581933
Dhee 4 DCT-059	0 9687184	0 9439664	1 1070244	1 301 1063	1 1245006	1.1471341	1 2045736	0.969815	1.100547	0.94180906	0.8745986	0.8106212	0.84857416	1.2061099
Phoent RCT-113	1.10326	1.1768539	1.1946965	1.0067934	1.0673335	1.0636877	1,3287537	1,1269403	1.2412261	1,0026383	1.1409583	0.94894576	0.6894741	1.5848978
Adenine nucleotide translocator 1	0.92336273	1.0015508	0.97388124	0.8855724	1,2821	1.1313862	3.94009936	0.9334848	0.8762086	1.1211816	1,0419639	1.1362748	1.2414347	0.9828109
Alpha-1 acid glycoprotein	0.9216974	0.90006185	0.74880105	8.546441	1.1616232	1,3685282	1.7437265	0.7985375	0.81586067	0.7869175	-	12725582	0.98123705	8.449898
MHC class II antigen RT1.B-1 bela-chain	0.9418193	1.2908882	0.5868139	1.0934725	1.1307353	0.9536367	0.817986	0.94873655	1.0102329	0.54229605	1.17994191	0.77514845	1.1057882	1,1205535
				İ										

										, 000,000	200.000.00	SESSOCION LACTACHO CONTRACTOR L	4710000 0 1A11000174	0.00001741
Omanie cation franchorter 3	0.76567964 0.78229594	0.78229594	CB99096'0	1.0090204	0.977807	1.0540618	1.1498624		0.9/2/1/0	1,000,1992	200000	A 000000 A 0000000		4 0369360
The state of the state of relative	1 0133915	1 0342407	0.9739865	1.2033443	1.2033443 1.2401127	0.9720047 1.2273028 1.4449835	12273028		1,2050793			0.00000	0.00000	000000
rypoxa-mondate racia i sapra	1		1	A 88744074	4 07391033	4 420CC04 A 88744A74 4 MACHARA D GGORATE 1 1770B68	1 127 0868	1.0472972	1.0127458	1,055149	0.8579208	0.9296704	0.9296704 0.9075623	103/6033
Phase-1 RCT-43	1.1002331	1.00/30/3	-1	4.001		000000	4 0061053		1 0036446	1	0 0083949	1.0586439	1.0586439 0.9871783	1,0051788
Phase-1 RCT-45	1.0554063	1.1144654	- 1		1,033,343	1.031343 1.3047,000 1.0231333	1,0201333	- 1	200000	1	0 8558118	0.826168	0.826168 0.80603596	1 0659502
Maiste dehydrocenase, cytosolic	0.5823552	0.5823552 0.65085196	1	0.9621445	0.9621445 1.4420857	1.2928433 1.1736053	27/30033	- 1	7,340132	2001000	4 00000	00000	0.006100 1.1133779	1 1610421
14 30 alement	1.1431311	0.9483119	0.9422341	1.1464659	1,5942222	1.1464659 1.5942222 1.7297386 1.3237292	13237292	- 1	1,056/83/	10/44423	000000	201000000000000000000000000000000000000	277	0.0774656
Dhose 4 DCT 480	0.8390963	0.7194647	0.7471899	0.8826841	0.9175332	0.8826841 0.9175332 0.77338654 0.9761832	0.9761832	1,2667332	1.4668841	1.063/402	0.3003740	10100	1000000	7070405
rigad i Nor-Ita	A B4203383	0 842033383 0 7871001R	D 798734	9002686 0	0.8956628	0 9897006 0 8956628 0,9944438 1,1103368 1,1228138 1,1078785	1.1103368	1.1228138		1226522	1.0546225	1.0161334	2000	200
Apra-etoprofein	0.744.0075	O GEORGIA	1	0 3558821	1 032233	0.9167333	1.0766124	1,0354569		1.2168126	0.9917959	1.140068	1.140068 0.97937006	0.9139266
Calgrandin B	0.7442070		-11	0 7/7/68B	0 761366R	0.87780863		1,1744255	1.1744255 1.2888056	1.2966125	1.1070098	1.1493467	12125367	0.77120984
Tissue plasminogen activator	0.807.3382		0.00024004	0.10/ 1000	4 7676763	4 0825024	4 456464	1 0012283	1 1272228	1.0275407	0.7874819	1 1272228 1 0275407 0,7874819 0,75679064 0,9108379	0.9106379	1.0852442
Phase-1 RCT-195	1,3698378	- 1	1.3595.295 0.98590636 0.95531213	512125550	L'UOZOGO		74068165	0 5303497	0.630207 0.8617237 0.8638427 0.6845027 0.94452846 0.8935676	0.8838427	0.6945027	0.94452846	0.8935676	0.7795626
Liver faity acid binding protein	0.4969069	- 1	0.7374556	0.5700023	0.0034683	U./3/4556 U.3/666253 U.6554653 U.7315464	4 0347047	10074801	0 004894 0 08670346	1 00825191	0.82963085	1 00825191 0 82963085 0 781997 0 86745275	0.86746275	1,1373945
Apha-1 microglobulin/bikunin precursor (Ambp)	0.7180993	٦		0.88041574	4,0000004	0.887 70104	200000	Г	4 0867363	1 000149	0.9993475	1 000149 0 9993475 1 028677 0.9536289	0.9586289	1,0178962
Phase-1 RCT-294	1.1395735	_	- 1	0.9901785	0.30543635	0.9777747 0.9901785 0.38543835 0.8367794 0.9427175	0.34271773	4,004,040	4 0000000	4 0445984	4 0830485	4 DR304R5 0 99275726 0 90642464	0.90642464	1,5457531
Phase-1 RCT-151	0.7989782		- 1	1.188238	0.89858156	1.188238 0.89858156 0.9702015 0.83802336 1.1601213	0.63602336	1.1001213	1,0012000	24.603470	1 4077746	1 1070716 1 0050328	0 9647307	1 0389898
Phase-1 RCT-158	1.0982591	1,2485095	1.0540092	1.1548774		1.1314901	1.2259997	ŀ	1.088191 1.201124 0.945041	0.000	0010101010	A COORT O 074040 0 00050000		1 0487305
Dhose-1 DCT_221	0.9580409	0.9612153	1.095486	0.995846	0.9702906	0.9977396	1.1619221	- 1	- 1	2/6660	0,07191910	4.00000000		PCVV030
Tidada Notation	0 9249013	0 94620645	0.939217 0.9704361 1.4035009 0.8939217 0.9704361	0.8939217	0.9704361	0.8576119	1.1285045		1.5681635	1.2354065	1,215,2145	1.5681635 1.2354065 1.2152145 1.0592311	1.00Z3394	0.3004421
Present Rule 1-233	0 000583	1 2706010	1 2705010 0 POT 5436 0 SOF 125 0 9452683 1 0071723	0.5060325	0 94626683	1.0071723	0.5839194		1.0345874 0.91465247	0.807699	0.93586024	0.807699 0.83586024 0.86124605 1.1353787		0.8410685
Organic enion transporter 3	0.92300	010001911	20000	00000	0000000	4 4404CD A December 4 4073447 4 0495524 A 0551782	10405504	0.0651782	0 9857169	12091138	0.99806684	1.2091138 0.99806684 1.1738241	1.4422779	0.7997653
Matrix metalloproteinase-1	0.93430/1	0.64929007		1.110330	0.00000	1.031003.1 1.031.1 1.031.0 1.031.0 1.030.0 1.0	C C C C C C C C C C C C C C C C C C C	0.46407077	O STATE	0.707RS1R5	0.7147362	0.5004609	0.6004609 0.84482343	1,0116594
Urinary protein 2 precursor	0.4992858	0.4992856 0.48683107		0.5021033 0.41164565	0.5086501	0.39193403	0.02301173	1000	0.000		A 74750308	0.7221R1E	1 0439668	0 9715513
Phase-1 RCT-212	1.2218957	1.1195118	1.1763489	1.1240487	1.0815476	- [0.9319655	1.043643 0.9319655 0.77701235	0.0000	V.020000	200000			
(1) Gene expression data for 6 hour timepoint are														
presented as mean ratio of treatment/control for all 6														
hour predictive genes (Table 18).														_
(2) Compound and dose abbreviations as in Table 1.														
(3) Individual animal number														
(4) I wer inflammation classification for compound-														
dose aroun at 72 h; ves-near, necrosis observed, yes-														
both, necrosis with inflammation observed; no, no			•											
histopathology observed														
(5) Predictive gene (as in Table 18 and as included in														

Table 28. Expression Data for 6 Hour Timepoint (1)		1												
Communications (2)	CIS 2.5	CIS 2.5	CIS 10	CIS 10	CIS 10	CLO 76			CLO 250	CLO 250 C	CL0 250	CL02 45 C		CLOZ 45
Arimal Number (3)	8	323	331	332	333	321	322	323	풇	3	1843		2422	2423
Liver Toxicity Inflammation Classification (4)	2	٤	2	2	2	9	2	9	2	2	2	밀	٤	2
Gene Name (5)	4 6265644	0 06270764	2 0975564	1 2717538	1 4897685	1 835953	1.6682786	1.6886628	1,1164829	1,6894657	1.1699874	1.4766254	1.07835	1.3163824
Gadd 153	1,5692155	1.4777994	1,1664515	1.3535161	1.3058107	1.0652044		-	0.96089756	++	0.93742305	1.1182583	0.9448752	1,0050819
c-myc	1.1356846	0.8760836	1.3631748	1,3588105	1.2821947	1,4059875	0.74483806	1.078347	1.1188386	1.0494415	0.85483387	0.7265537	1.95674175	0.7177096
NIPK	1.2489318	0.9714177	0.97947276	0.8894094	1.0045447	0.0442859	0.9880772	1,2306856	0.83554846	0.8146/63	4.04774004	1,0033203	4 0766659	1 0070677
Cathepsin L, sequence 2	1.137992	1.2705058	1,4486492	1.5149895	1.8223121	1 96266214	1.1856511	0.6762078	7 3	0.58293366	0.6484602	0.9824582	1.6913332	1.0439022
Herre oxygenase	1.0216907	1.0670938	10749619	0 95992815	1.1057761	1,5693303	1.8476527	1.6787325	1.3892442	1,4571643	1.1545787	0.98019506	1.1758571	12127372
Phase-1 RCT-111	0.8719923	0.9769983	0.82324713	0.8617486	3,92697245	1.2062409	1.2808794	1.0168852	1,3251543	—	0.97278696	1.1036202	1.1725092	0.93696374
Argininosuccinate Ivase	0.6047032	0.6987714	0.8085209	0.80780774	0.7143409	1.0030717	0.44145042	12496835	1.2846969	1.495419	0.94476783	1.422001	1.1525767	1,3732553
DNA polymerase beta	1.3011736	1.3075838	1.3923858	1.2837437	1,4401125 (0.92101336	1.0625337	0.88504386	1.0620129	0.7759283	0.89522725	0.9444776	0.9975163	1,0304513
Phase-1 RCT-103	0.90710765	1.0842687	0.8456517	0.9198712	1.0287205	1,1358093	1.2582362	0.9490248	1 2248738	0.94496167	0.94355685	1.0571302	1.111638	0.9641302
Ribosomal protein S9	1.3376938	1.8795599	1.3775852	1.1259252	1.3819656	1.038927	1.3855789	1.1361225	1.0736456	0.769631	0.62584745	1.0253242	4 455539	1.0116632
Phase-1 RCT-114	1,3336482	1.1144848	1.0011296	1.0114208	1.2195019	0.97873694	0.82476616	0.8723556	4 0055044	0.823/1324	1,060/3041	1 3065200	1 7235432	1 1343454
Phase-1 RCT-15	2.2203672	1.6124/48	2.58481U/	1.963651	1.8505031 7.777.63	1 3815869	0.7978991	0.73326623	0.90331924	0.74856865	0.9462527	1.0810547	1.1090052	1.14337
MCE Induction and amiliarities rutalise secreted	3,02,0134	13111111	201000	2000	2017	200		+-	-					
contein (PC3)	1,8542887	1,2825193	3,7288678	4.5822386	5.0091543	1.108902	1.467495	1.0197836	0.9825646	0.7283962	0.9459561	1.048002	1.1530355	0.91202945
Phase-1 RCT-191	1.4928486	1.177994	1,3165503	1.2402531	1.1953826	1.0850513	0.6006803	0.93753886	1.0335693	1.117783	0.96251065	1.1842473	1.0848047	1.1426644
Phase-1 RCT-63	0.9707567	1.0627325	1.1661068	1.1261879	1.0542506	1.4071995	0.84232515	1.0587173	0.82982373	0,8681387	0.7113243	1.0211194	1.0045674	0.87348014
Cyclin D3	1,3864926	1.4338998	1.0418196	1.634025	1.305988	1.0408549	1.1629982	1.0835088	0.9878961	0.72329503	0.7232411	0.9904946	11/15/33/	1.0086/65
Phase-1 RCT-108	0.95358986	1.0630416	0.9157331	1.4539068	1.0927906	1.1473203	1.0799755	1.0745275	1.0454593	0.8837906	0.9622095	0.0322033	1,176,0221	1.036143
Phase-1 RCT-56	1.5533084	1.3516098	1.1931298	1.4380406	1.6135039	0.74336684	1.005974	0.8661959	4 0055418	0.4/60816	1,0730115	0.07.7020	0.87105066	76940536
Phase-1 RCT-192	1.15385//	12/150/2	1.1905835	1.19013/9	/90007-L	40005400	1,0233140	0.20040277	0.0050430	0.3000010	7747017	Ī	1 1575550	0.999019
Phase-1 RCT-75	1.2507040	1.5760407	1,3443078	1.1163633	0 8730166	0.0000129	1 1103008	0.322210	0.90770644	0.943137	0.86550295	1.1002442	1,5209866	0.8949486
Acey-Los Carboxyase	0.88535494	1.076667	0.8457597	0.897521	1.0048262	1.0843498	1.1053257	0.9296307	1.0480894	0.908473	0.89588237	0.8991905	0.87185574	1.0566354
Costalin C	1.075872	1.4037794	1.1509601	13580575	1.6494093	0.87138474	1.2206371	0.9585103	1.1930854	0.9568298	1.1953179	0.9032818	0.86689454	0.821432
Phase-1 RCT-49	1,6599184	1.287144	1,7381076	2,1042411	2.2800722	0.9679553	1,3272383	1.2781005	0.9862702	1.1859583	1.0047666	0.86998576	1.067766	0.8586408
Phase-1 RCT-9	0.9735285	0.8074769	1.029709	1.0739723	0.808533	0.8598991	1.0074778	1.5626543	4770000	1,5369698	0.0047889	1 1511537	1.1010410	0.757900
Gadd45	1.3935584	0.90531564	20765055	2.1534743	1./632363	1.437 7.085	4 0545062	1.16/8901	1.4/03030	0 8753778	O BRAZOROS	0.8946881	0.8584214	1 03506
Phase-1 RCI-156	1.3358787	1,0262116	1 459386	1 423429	1 7136378	0 98231125	0.8507432	0.8504774	0.9955664	0.8369832	0.9707712	0.97806835	1.0641657	1.0443633
Dhace-1 BCT.127	1.6758145	1 3289052	1.443341	0.9583329	1.4258738	0.7991654	1 2295078	1.1102518	1,0005565	0,9495652	1,0664808	0.8375743	1.0772692	0.8225845
Macrotrane inflammatory orotein-1 atotta	1.1626245	0.80317885	1,5727121	0.75593984	1.2641194	1.0470961	0.6532739	0.9808293	1.0655606	1,0027701	1,0328538	0.7622603	0.77786255	0.7866654
Zinc finger protein	2.1485486	1.1880169	3.0201125	12276562	3.382819	0,88630825	0.92045254	0.9406682	1.035419	0.94521725	0.9199344	0.7687463	0.84956175	0.85434556
Phase-1 RCT-73	0.8796079	0.8896431	0.87995213	880465	0,91638064	1.1911749	1.0821598	1.1916877	1.1047949	0.97778696	1.0779636	1.0677729	1.129423	1.0452851
Clutamine synthelase	1.1382331	1.4118668	1.0244579	0.94585145	1.1528943	0.9984097	1.1699631	0.912068	0.8223003	1,021,001	0.775379	1.0430826	1 3614047	1 1229953
CAb-binding protein	9 30033	0.77468	3 7704254	6.070763	4 648406	0 97587514	0 7302912	0.9303653	0,98749566	0,90151435	0.9241944	0.8375161	0.83217695	0.8002071
Phase-1 RCT-50	1.667145	12421951	1.6245226	1.4912567	1.6132729	1.0215045	0.80988824	1.0130222	0.9042951	1.0352192	0,98896384	0.91801095	1.027393	0.9101507
Elongation factor-1 alpha	1.0774795	1.1615913	1.0136976	1.0486158	1,2029771	1.0200361	1.463058	0.91137654	1.2048628	1.0291805	0.9954457	1.3914833	1.0896405	1.2014773
Integrin beta 1	0.9970035	1.0962051	0.95725816	1.0701771	1.0992563	1.2558843	1.1401267	12200412	1.0537393	1.1135844	1.1123301	1.340925/	1.1609385	1.1111809
Insulfn-tike growth factor bhiding protein 5	1.2503893	1.1167494	1.1649166	1.0380919	0.94196826	1.3210574	0.7695322	1,0068153	1.7036221	1.125197	1235905	0.530636	0.98996943	0.82620686
Phase-1 RCT-59	1.4307327	1.0392648	9.1316234	0 9570740	0.08541325	4 4872243	1 1403537	1 1291839	1 1703888	1.0176351	0.9766	0.8375465	0.8737258	0,76171285
Caritor U desta	0 94968385	1 2013538	1 1310893	1.0276758	1 27 17515	0.8541849 0.8118	0.81185335	0.79662865	1.0074964	0.74950798	1.0745804	1.0580496	0.97488123	1.0133928
Selection P	0.6645769	0.9062002	0.8070896	0,75082064	0.8804153	0.79144174	0,848999	0.8346895	0.6875853	0.68724716	0.8150526	1.2404946	1,2247034	1.1853349
PTEN/MMAC1	0.78672135	D.8353693	0.9084015	0,78551036	0.88275784	1.1643944	1.088843	1.0894153	1.0628766	50609	0.9779508	1.1169279	0.94976854	1.067827
Phase-1 RCT-214	0.76261127	0.9874226	0.73480594	0.5833508	0.84066355	1.0219152	0.8623369	0.6966664	0.9631545	0.78442377	0.81964827	0.8291552	0.9905/895	0.98889387
Phase-1 RCT-112	0.80671495	0.8954931	0.84607416	0.9720238	0.787743	0.7070087	0.7567854	10277928	0.95602006	1.0061638	1.0402288	0.8418069	0.7808777	0.77413213
Thymidylate synthase	0.9737663	0.9324723	1.8106767	1.848705	1.143121	1.0171559	0.8190426	4 2042765	1.0563908	720101	0.343300	1 2350672	1 1068674	0 8936886
Phase-1 RCT-13	2011/311	2.2180352	0.8881448	0.30110016	1.0343040	1 2080947	0 99892926	0 8471467	726952960	1.886849	1.3416399	0.933803	0.7454016	1.2980537
Chaledonie assembly protein Chaledoni 7 John Hudmylese (P450 VII)	0.4078423	0.44329342	0.5973987	0.42570004	0.2798733	0.78941184	1.0356333	1.1176172	0.9309568	2.6260757	1.0142232	1.4397609	0.93563527	1.0783836
Vesicalar monoamine transporter (VMAT)	0.9534271	1,0336556	1.1432183	1.0237011	0.8655788	0.9111116	1.0030091	1.06547	0.9369842	0.6931819	0.9216063	0.9279083	0.9926716	0.8476677
Phase-1 RCT-260	0.777778	0.898481	0.8783427	0,85863686	0.8012523	0.8035946	0.70348823	1,0974789	1.0012425	0.8266149	1,0335608	0.94004631	0.8733126	0.740591333

	4 4000005	4 44 40405	4 4200670	0 9590769	4 0683783	1 4771168	R021473	13796704	0 9999713	1,5827183	1.5354285	1.1712568	1.1627493	1.153833
Phase-1 RCI-32	10117518	0 99887925 (96477485 0	98316777	0.8890952	1.1981069	.0001468	1.1353737	1.0345227	1.1877643	1.0111289	0.9881041	1.0807862	0.9385962
Perconsome asserting taken i	1,0533049	1.0239844	0.9746443	1.1159245	0.796319	1.1077858	9.9777014	1.0878283 (84503925	1.0108324	0.863728	0.94396424	0.901842	9245240E
Phase-1 RCT-82	0.893941	0.96645325	0.939314	1.0486693 0	90606576	0.9461124	0901719	1.0111241	0.9453846	0.968138	1,0821024	1 2865145	13301774	1 3805434
Matrin F/G	0.4650415	0.69195384	0.54155725	0.4443504	46634138	1,3445771	3308437	/00CDE7	1,0013240	05230025	0 9465497	1 0986732 0	88285434	.98130685
Phase-1 RCT-184	1.198853	1.1408252	1.1608063	1215173	1.1198003	7191818.0	9405000	4 0700044	104003	1 0789694	1.1120517	1,0144646	646 0.98927546	1.0412582
Phase-1 RCT-168	0.544033	0.89919055	0.53078234	0.5121778	0.4473534	1.0402030	250000	4 0R2603	1 0445286 0	99463254	1.0852857	1.1677629 0	.95187785	1.0818635
Phase-1 RCT-119	0.4936/6/5	0.85504634	0.07.04112	0.0293400	0.020204	96422074	R824883	0 991368	0.9986314	0.990253	1,2054516	1.2807738	0.8670167	0.8764469
Carbonic anhydrase II	0.49149/70	4 4159201	0 94397977	1 1211963	1.0405108	0.9023335 0	98495317	-	1.0754423	0.7199513	0.9398391	1.336392	1,0951045	1340614
Inglophan Ingloxylase	0.8778606	0.98743224	0.8550908	0.9017765	95709196	0.9488192	1,0501238	1.0651696	0.97894603	1.149536	1.0938791	1.0919402	1.4856652	1.1384013
Phase-1 RCT-179	1.5393965	1.5649978	1,8167458	1.37526	1.7958474	1.1558181	1.4054419	1.1541637	1.1299447	0.9664941	1,0236434	7003048	0 8937158	0.8002781
Phase-1 RCT-161	0.6400846	0.9292438	0.93222624 (.94655967	0.7725709	0.85086477	1,162,000	0.6328723	4 00345007	4 5304508	1 2800688	0.9013122	90003455	91081434
Phase-1 RCT-207	1.1799663	1.1396152	2,3001273	1.2054588	2.2146907	.99384487	0.9965997	13133021	4 0570442	1 068547	0 9305447	0 9311223	1,1164808	84731408
Phase-1 RCT-144	1.760144	1.4925249	1.682965	1.859191	2.1793988	1.2/80149	1.505084	1,1730432	0.0148357	1 4018592 (0 67126876	0.27180848	0.579256	1.1403403
Phase-1 RCT-225	1.7485437	1.1241944	642692	1.0253955	1.0692991	1.1/834//	1.2/02310	1.02/0103	0.011000	4.477763	1 0346562	1 2748483 (37835842	1.2014453
Cytochrome P450 2E1	0.8157266	0.9180553	0.7208829	0.64104766	0.6841291	4 030042	00026970	4 730385	1 0680745	1 2008054	1.1652457	0.77023864 (0.88477945	97271454
<u>5</u>	0.9634217	1.160696	4 200 4307	1 9720660	1.0004939	4 448264	4 5803232	1 0829506	1.1610906	1,0985358	1,0781599	1.4042255	1.3907342	1.0980104
Thioredoxin-1 (Trx1)	1,09903/2	1 277 1 555	APOCOOST O	53206	0 64057447	0.8177142	0.4862387 0	59685946	1.2433301	1,011188	1.8360097	1.1873289	0.47338033	1,3700339
Carbonic anhydrase III	0.27920073	0.084/74030	0.4629282	3 5	76838623	95410043	0.8143949	1.0283586	0.8569467	0.9935276	1.016326	0.86624223	7616063670	0.8386889
Phase-1 RCT-140	1 1137679	1 2642776	1.0356584	0.8873435	1.065287	1.0015546	1.3263825	1.020503	0.8218556	3.49023294	0.737946	12194959	1.3211685	1.145472
Complement component Co.	O REASAGA	1 9152843	0.8090051	0.7899045	0.6177193	0.8080473	1,175971	1,5373787	0.8913963	1,2220505	0.9930557	0.76898193	0.6701633	0.49/5295/
Dhara 1 DCT 473	0.80469817	0.9310573	0.83791405	0.58132154	1.4084251	0.862765 0	.93468773	1.1374375	1.0994816	12526715	1.3574352	0.8154906	0.70991	1 2005567
Pridade I NOT - 100	10555556	0.87418306	1.0969567	0.946553051	0.841997	0,9192681 0	0.71195257	0.8869502	0.90355504	1,0320196	0.97521454	1.0246233	0.8630032	1.200337
Green year and in-disease arrows trace if	1.024654	1 2428923	0.9375581	1.015255	1.3469954	1,535029	1.4449558	1.1875936	1.485648	.1685367	1,2926756	1,233,565	1.3282//0	7.040130
Phoen-1 DCT-40	0.9357773	1.333961	0.8317008	0,7415124	0.9939089	0.6926498 0	.92413175	3,66609836	0.69893986	0.62836045	0.85806945	15(52)21	4 070/766	0.8743093
Consecond marker protein-30	0.69696593	0.9826746	0.4342715	0.42317817	1.0299826	0.7542052 0	0.98381203 0.9	92535377	0.4211526	3.47486246	1,1090428	1.4733303	0.04670	4 074604
Coding	2,5875628	2.8529127	6,4126663	5.5224924	5.7263427	12905228	89432514	0.9488641	0.9674813	1.46185/3	1.0230/08	0.000300	0.6300370	1 05/R18
Melanoma-associated antigen ME491	1.136686	1.1213249	1.1245394	1.2892827	1.574742	0.9445653	1.0286773	0.9903634	1.0222632	1,4561504 1,4561504	1.0210013	0 94192475	1 0749943	0 90359074
Phase-1 RCT-28	12132034	0.9113279	1.0682253	1,065	0.68080753	0.915///2	0,5878427	1.0100003	1 114966	1 3014317	144523	0.93454385	1,0051866	0.9867944
Emerin	1.1119928	0.9929712	0.97980636	1.1339457	0.8230648	1,3843061	1.9212013	0 8046957	0 R242767	13005077	986066560	0.7351017	0.6625169	0.90207726
Alcohol dehydrogenase 1	0.37811628	0.38786966	0.254639	0.36323507	0.0336042	0 8919016	89423805	0.9643994	0.8036336	0.60850435	0.92552346	1.378464	1,0391836	1.0146534
Stem cell factor	1 0799203	1 1541014	1.1828916	1,175399	1.0523729	0.8594485	1.6736104	1.14721	1,2225046	1.192188	1.1432914	0.8378459	0.6344268	1.173/259
JNK1 Stress activated protein Miase	1 1231606	0.95421386	1.1187487	1.1883307	0.8225234	0.896317	0.8496946	1.003519	0.9195465	1.1561126	1.3740419	1.2201928	12248547	1.1157/24
Protein Ignosine pricepriated orbita	0.71084166	0,90699506	0.6808924	0.8638809	0.62383484	0.9664424 (3,97313195	0.8962677	0.9402393	1.3462803	0.8970724	0.9672162	0.7208364	4 2422443
History Inc. (RAD 6 homologue)	1,3759131	1,3615159	1.344485	1.2133102	1.3712791	1.0965292	1.4055922	1.1337833	1.1046615	0.92667156	1.0462361	1 2450247	4 2500252	4 2546785
DNA topoisomerase I	1.2730944	1,3691139	1.067189	503023	1.1193889	1.0893594	1.4879628	1.1045/11	0.8436/39	0.00040001	0.733030	0 97131705	0.8575961	1.0165477
Phase-1 RCT-280	1,0801717	0.8274566	1.1065544	0.64085466	0.79299134	4 93804/35	1.05/06/2	1,0039190	1 2521008	1 326852	1.0989552	1.403422	1.2593702	1.1555072
Supercodde dismutase Min	3.100952	2.1785557 2.1507048	3.1054919 1.8403998	1 301003	1 8635764	1.1354531	0.5927039	0.8883524	0.88120365	0.86189705	0,8316839	1.3929935	1.3820385	12515024
Beta-Libuin, dass i	0.36624694	0.8223444	0.5116147	0.51579076	0.5191256	0.53544754	0,8919102	1,0297427	1.1055381	0.9569001	1,0804997	1.4437622	1.1488606	1.4089506
Discussing prospinate syttorease i	1.0154194	0.892566	0.77519596	0.825828	0.87211144	1.1575936	1.022758	1,1661378	0.96593356	1.2952319	0.874978	1.03/8519	4 25/7274	0.04312775
Phase-1 RCT-141	4.898293	4.997591	3.9264975	3,4651864	3,8148494	1.3525484	1.6396457	1.1249222	0.9051331	4 0480504	1 0482722	1 0635517	1 0038257	0.9986565
14-3-3 zeta	1.1328411	12869604	1,2892867	1.2460713	1,5517802	1.2941656	4 4 27 77 26	7979797	1 0365424	0 95585155	0.7914147	1,0893161	0.72465044	0.7319123
Gamma-actin, cytoplasmic	0.4670903	4 0705775	4 4729026	0.7234187	1 1535915	1 7683101	17414174	1.6344805	1,3664813	1.4455322	1.1761609	0.99034566	1.0289431	1.1326166
Ribosorral protein L13A	1 2750894	1 4622005	1.6536591	1,3341609	1,5498222	1.0782355	1.3892164	0.9395821	1,2361565	0.9295104	0.8505705	1.0757108	1,0812094	0.85604304
Dhora 1 DOT AS	1.0884659	0.9324543	1.0161432	0.9659664	0.9840442	1.0599922	0.6264915	0.9000595	0.9948198	1.150421	0.98704996	1.3164803	1.1347224	1.0892//5
Colum	1,7973676	0.8263295	1.4880482	1.859949	1.1067829	1.2352223	0.87554127	0.985602	1.1416682	1,0892526	1,0610/23	1 5093719	1 3212972	1 0827288
Protein O-mannosyltransferase 1 (Pont1)	1.0426495	0.8992659	0.8865593	1.1610253	0.74700415	1.1990987	0.60924286	4 4840055	1 0650053	1 4385532	12138932	0.8391464	0.7904911	0.97306406
HMG CoA reductase	0.6843324	0.67170787	0.5413084	4 0070077	0.0142037	1.3250030	0.7148386	0.94696796	1 0334802	1.0506899	0.9575948	1.1123463	1.1123172	1.0282806
Phase-1 RCT-12	1.210434	1.0170202	21 1001071	1,00,000	0,01	201		·						
Interferon retated developmental regulator (FRU)	0.9431457	1,1955168	0.9615454	1.1182783	1.1427512	0.9723983	1,4994612	0.97149396	0.88102674	0.71825814	0.77481776	1.0875887	1.2180828	4 2858833
Chose-regulated protein 78	1.4733548	1.3628929	0.67041415	0.49749774	0.80605847	1.5286618	1.7959173	1.1128563	0.97940725	1.04/6514	4 000004	A 7470084	O GOADISTAN	1 1695011
3-bela-hydroxysteroid dehydrogenase (HSC3B1)	0.52168566	0.76526064	0.71897584	0.70842016	1.0780706	0.87850934	1.0495851	0.89125/13	1,0359262	0.6313433	1 099585	1.0658331	1.0522219	0.97871345
Caspase 6	0.8945892	1.0105057	0.8008647	1.0239257	0.9371974	0.8797274	0.624/340	0.94260705	0.97566025	0.8323792	1,0193197	1.1016575	0.89328116	0.9075969
Phase-1 RCT-169	1.022774	4 22/7007	4 7007006	2 8240745	2 A728467	0.94030030	1.1364459	0.85036236	0.90171874	1,0155311	0,9051011	1.0756719	0.8391094	0.98362845
Phase-1 RCT-197	1.22300	0.60765484	0.61477965	0 8247668	0 64839584	0 98702914	0,9411096	0.9181494	0.9842579	1,2005953	1.1281708	2.0779154	1.1169853	1.3680507
Phase-1 RCI-34	U.TU! UUU.	V.000 000.0												

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Phase-1 RCT-72	0.8629629	1.0580403	0.8638771	1.0756698	1.1189767	0.91570616	0.8688906	0.9227018	0.9718688	1,0328351	1,010514	1.0326351	4 0650076	04007007
Pynyate kinase, muscle	0.89339054	0.67188096	1.1697266	1.0343255	0.64982945	1.1389663	85540307	97731686	0.5381859	1.1000350	4 2040348	0 R740663	17730084	1 2460606
Phase-1 RCT-288	0.58678395	0.83443856	0.51364607	0.55674404	0.7008404	0.8702069	1,2042342	1.112614	0.38231734	4 0040445	4 04 46 533	1 3777404	1 0845369	85519268
Phase-1 RCT-90	0.927218	0.9858703	1.0214585	88	0.9433379	0.9770753	0.7446/54	0.9063257	0.3442012	1,0049443	0.0743069	4 222003B	4 6080709	1 2391876
Cytochrome P450 2C39 (alternate clone 2)	0.8057108	0.9821331	0.57619107	35754	0.84227157	0.90079427	93550146	0.8301/1/	0,43433770	0.40330234	4 0000007	0 010010	A 8505314	0.8720532
Phase-1 RCT-290	0.6938864	0.86821175	0.8416194	0.8968557	0.9045125	0.8716355	1.0020468	0.63214733	1.1023033	0.0047764	0.000000	A 00477965	4 40736554	4 0822762
Phase-1 RCT-281	1.4778188	1.5472262	1.3456634	1.4992768	1.4556835	0.9596166 0.Bz) BZ2864Z3	0.9719800	1.033397	0.0307704	0.307 (42020	4 0755354	0 07607364	CYESCS +
Maintack-CoA racerrase globa	0.77871615	1.2003007	1,0029103	1.0152365	0.466865	1.0701368	1.1265297	0.96571565	0.9720516	COSCOSO O	0.000000	101 GUSS	0.37 032.00	1 0554405
Conchining P450 1A2	1.0209986	0.90473616	1.1886339	1.219955	0.8816292	1.156323	1.106606	1.1396034	0.923630	1.3023031	1.1294/40	00 00 00 00	00000000	100110
Phace-1 RCT-297	1.1025745	1.186894	1.0635538	1.8853891	1.033795	1,1963573	1.0995524	0.81968373	0.8437093	1.24/44/4	0.3527.180	1,0402003	0.0003030	4 791 5009
Monoamine ordinase B	0.81205237	1.1765054	0.89787656	0.8893734	1.0987891	0.82037014	623731	0.95480645	1.1487899	1.0192208	0.9430501	0769577	4 4752240	N 10200
Phase-1 RCT-264	0.6642591	0.7428516	0.63862526	0.9444551	1.050012	0.6636655 (0.93146604	0.773061	0.6175/016	0,50839744	0.77000402	1.17 103/3	0 0000000	0.0074243
Domisome ordiferator activated receptor damma	0.8158511	0.74248284	0.7344958	0.6858305	0.5856412	1.3696257	1.1071922	0.8844312	0.99293/86	1.365032.1	0.66483000	0.040000	0.0000	4 000004
Direct DCT-143	1.0989426	1,2087666	1.0192534	1.2180135	1.2609415	0.7863739	0.9772867	0.8084641	0.92736244	0.7925439	0.9605456	1,0482,358	1.044634	1,000000
Dines 1 DCT 264	0.794014	0.7474343	0.7805793	0.76632154	0.987206	0.89168316	0.70365626	0.7025592	0.7309502	0.71509457	0.7259823	1,0031557	067709/90	0.001200
Object Oct 447	0 8291213	1.0282141	1.0032374	0.5201949	0.85130614	0.6144089	1.5565388	1.0263711	0.96136534	0.79808944	1.1089464	0.8430691	1.0733301	0.067.0138
Olderhane C traceformed thata.1	0.91027534	0.98763525	0,82913655	0.720133	0.94393563	0.9568877	1.0283222	0.66939116	1.0132132	0.8737766	1.1285865	0.9497796	0.8443638	1.0300324
Coulou a DOT DA	1 0950375	0.9424582	0.9885333	1.1085532	1.2480153	1.1342555	0.9934396	0.98568904	1.0835987	0.9678169	1.0491802	0.8365021	1,03//32/	1,00/65/2
Green a DCT 449	0 56067866	0.8269539	0.6262589	0.71797717	0.7754174	0.8505417	0.92836213	0.8339796	0.93419695	1.0766209	1.1232555	1.36/623	0./8545/4	1.1801449
Charles Contract	1 048766	1,1107287	0.9045218	1.016459	1,1100157	0.988783	1,0327874	0.960067	1,0389773	0.8715872	0.98855436	0.91912013	0.9887805	0.8377783
Active No. 1 1 1 1 1 1 1 1 1 1	1 05148	0.8088569	1.1684113	0.8277551	1.6149296	1,2389411	1.0863955	1.1349468	1.0011168	12823469	1.1998779	0.9018437	0.8761268	J.B/932944
Chale and description	0 74219596	1313471	12214365	1.0314379	1,256436	0.98216045	0.6987548	1.0209574	1,334678	0.8992147	1.0000842	0.80729866	0.63378584	1,013/654
Divor a DOT 304	0 9252181	1.0425409	0.83969545	0.86259073	1.1987845	1.0939741	1,0004581	0.9830234	1.147287	0.9399579	0.97435516	0.82933277	0.84335816	5./B28U/B3
Oliver of the following following	1 1793779	0.86645406	1.1355479	1.0600625	1.0172067	0.9696465	1.1796844	0.9330616	1,003794	1,0428696	1,0111909	0.8114206	0.8//6254	0.852350
Can findion membrane channel muteln heta 1 (Glb1)												, 00000	, 00000	4 2720404
מפל לחומות וועונים שני משובי ליביו ליביו	1.0417687	0.82908136	0.8893337	0.8561009	0.95051414	1.1420682	1.0019574	1.2515248	1.103773	0.9831645	1.0361993	1.385207	1.3240503	12/2104
2000	1 1785957	1 1004872	1 0727899	0.73466015	1,4380186	0.75520545	0.910158	1.0590922	1.014992	0.99797416	1.0005274	0.8765611	0.89/005/4	0,76/3/605
Phase-1 KCI-4b	0 00004796	4 06442073	0 048840	1 1302222	1 005056	1 1517566	1 2045815	1.0615433	1,2287438	1.0080564	1.1650683	1.1046329	1.171368	0.99952686
Phase-1 RCT-287	0.82651730	1.034 (202	0.919013	1 0203984	1 1953967	0 89961237	1.0805694	0.95884585	1.1388108	1,0685061	1,3309554	1.1117773	0.9667305	1.1738935
Retinol-binding protein (KBP)	0.03/403/	0.0047634	0.000018	1 1577097	1 1275766	1 0699444	1 5483369	1.0958172	1.4159844	1.1741703	1.2004079	1,0113883	0.9523557	1.1210034
Very long-chain acyl-CoA synthetase	0.00300010	4 4724542	4 0052166	1 0488700	1 2087051	0.8900775	0 8504049	0.8019077	0.8199686	0.77898353	1.0044742	1,028858	1.1101967	1.1671968
Syndecan-1	0.9101360	0 74854 227	A RE267854	0 0504895	0.8798012	1 0487939	0.7861063	1.1903605	1,0519509	1,2306954	1.117107	0.9168227	0.9340583	0.8495793
Statum	0.1747174	4 97004.00	4 5440444	4 0642430	2000000	4 1486185	1 2856597	1 1291814	1.1149875	0.9582374	1.0637333	0.97729695	1.1140467	0.96327394
Phase-1 RCT-145	1,620955	3/30190	1.0410144	27151507	0.000000	7001007	0.00704607	4 000877	1 0504351	1 0007964	1.1022227	1.0128787	0.96236026	1.0426061
Axin	0.76730845	1.0056218	0.7842018	0.77013296	0.71521705	0.72040473	1 2/0/1097	0 846978	0 8394497	0.8047523	1.0262134	1.0109239	0.8707323	1,0028595
Phase-1 RCT-89	0.5612365	1.0560865	O.School	0.031/0040	00130130	0.0000000	4 2452046	4 PER2464	A 99920A7E	1 0909557	0 96657735	1,1402038	1.1398048	1.0184636
Sarcoplasmic reliculum calcium ATPase	1.0225002	1.0362289	1.0038043	1.0730094	0.93500436	0.83627003	1.2430910	1,0032104	0.0707861	0 0005000	1 0118988	1 3936995	1.0686897	1,0947844
Alpha-2-macroglobulin, sequence 2	1.2089303	1.0340519	1.2915121	1.4530298	0.993(2)163	0,747733	1,000014	4.040074	0.3137001	4 ODE7638	0 9410997	0.9767682	1 0234381	1,0556935
Phase-1 RCT-204	1,0805084	0.9647512	0.903746	1,0038626	0.9705/414	0.9136368	0.83333723	1.0100/4	4 0053053	0.0004451	0 8937399	1 1588434	1.0823075	1,0693791
Vascular endothelial growth factor	0.68078774	0.75548214	0.7148071	0.7861106	0.565/4994	0.36012014	0.7772011	0.30012030	2000000					
NADP-dependent isocitrate dehydrogenase, cytosolic	0.000	0770070	0 5003446	0.0010171	0 7054787	DEADSOAA	0 0352281	0.88901937	0.92066245	0.6934565	0.8368779	0.98838997	1.1040357	0.9525168
	0.65/914/6	0.9430142	0.5503416	0.0742474	0.7304707	0.50403344	0.22220	4 4874944	0 9795033	0.80089563	0.9671007	1.0538318	0.8878122	0.8778066
DNA binding protein inhibitor ID2	0.6023634	1.4804563	0.000000	0.000000	4 4470649	0.0011040	1 3024561	0.80232346	0.87287724	0.5347839	1,058779	0.81127	0.99363625	1,4384968
Glulathione S-transferase Ya	0.347,0007	0.337.0000	0.00000	0.7633041	O 83347076	1 2772062	2.0622501	1.7030207	1.1254239	0.61103505	1.0873821	1,3234631	0.83844155	1,0580969
Epoxide hydrolase	0.9440304	0.4001139	0.1013003	0 63986297	0 9137077	0 7642107	1 0022198	0.9182281	0,79973733	0,5013182	0.9503169	1.1274859	1,5043546	0.83789575
Insulin-like growth factor I	4.000004	0.000000	0.00000	0 000000545	0.0644842	1 2709R1	0 50440437	0.05474586	0.99491256	0.91669416	0.8562222	1.047901	1.0522978	1,0111898
Prostaglandin H synthase	1.3503048	0.93436903	4 0447240	0.7783927	1 21000RR	0 9291206	0.9481702	0.8074209	1.0016807	0.91640455	0.96727705	0.8649121	0.8313279	1,0267453
Phase-1 RCI-136	0.800003	1 1528919	0.9558284	0.903216	1.093963	0.7519013	1,045111	0.8868398	0.76728654	0.64384016	0.87872016	0.931988	0.9034172	1,0009214
Hase-1 RCI-13/	4 0055004	1 0574744	1 0106424	10177664	1 1934484	0.9095171	0.9224133	0.9082515	1.0045406	0.83968467	1.0689574	1.0227383	1047497	905578.0
Phase 1 RCI -138	1,000004	70047067	200000	0 74945EK	0.90187783	0 9404774	0.8782098	0.8802694	0.9584666	0.55582917	0.70573564	0.9133867	1,02,162,61	1.0383613
Hepatic lipase	000000	0.73017307	7750000	0.08830404	1 R264426	0.99135023	0.8593829	1.0513995	1.0111662	0.9533562	1.0747262	0.9503784	0.94743603	0.9829991
Phase-1 RCT-164	1.1743004	0.30024337	0.300047	0.00003134	4 0841303	4 4 4 8 4 0 3 5	1 63176	1 5386899	1.4657246	1.2987243	1.4188348	1.2368846	1,2803661	1.1040077
Acy-CoA dehydrogenase, medium chain	0.0033210	4 4852027	4 2450007	1 254045R	1 2030611	0 7205564	0.8365453	0.8035434	0.77116287	1.0357497	1.1541095	1.245149	1.1137509	1.1764238
Gitdathlone S-transferase Yoz subunit	0.0330000	4 0050550	1 4306036	DO 0000 D	1 1473849	527634550	0.83706814	0.97175205	1,0835791	12475194	0.9822595	0.83381957	0.80534935	0.84686404
Carbony reductase	0.87.34393	1.0333302	7383544	0.865052	0.68102765	0 9340751	0.77876866	0.70742315	1.0585731	0.9285616	1.0740451	1.4646252	1.0760524	1.4132988
Hasset RCI-100	0.03730403	4 7250277	0 958032	1 2279291	1 4155798	0.80221814	1,3501159	0.93356854	1.0339267	0.75823104	0.8124917	1.0235982	0.900485	1.0890698
Apolipoprotein E	0.05150	O RRS64086	0.4521412	0.91417533	1 2204183	0.8427236	1,0438448	0.45709628	0.8678178	1,2306055	0.82725835	1.0955665	0.6758826	1,3248397
Old-Guardian S broadways D4	1 5499786	1 9504733	12755984	1,2407333	1,5297692	1,0307723	0.70720418	0.97618085	0.89673	0.90035206	0.934821	1.2454667	0.95933603	1,2284768
Destifications of the property of CR072)	1 6687868	1.6203547	0.6238149	0.7671449	0.702057	1,1181145	0.7724902	0.8585851	0.82541305	0.7581359	0.81686544	1.1721306	243038	1.1003330
Ribecomal pontain [13	0.9581893	0.9065032	0.9540873	0.9709727	0.93364793	0.8689459	1.0715302	0.9600006	0.90472704	0.97336046	1.0166904	2,300,00	1.000001	4 000000
Centoolasmin	2.4200418	2.4720516	1.568216	1,5140777	1.7608093	1.094526	1.4058495	0.87041336	0.79834014	0.6499764	0.7230058	4 24704	1.1555035	4 425565
Inter-alpha-Inhibitor H4 heavy chain (lith4)	1,6596298	2.0354137	1.3853123	1.3422761	1258371	1.6000475	1.2727706	1.1006199	0.921025/5	0.55653533	0.70234004	5/5	220102	2000

								000000	20000	100,10111	0.0400964	0.04402081	1 00783841 0	95833436
Phase-1 RCT-3	1.0629162	0.934888	1.1064224	1.063074	0.8458622	0.984/016	0.6563708	0.0270200	184354913	166647557	0.7777396	1.0333843	0.8583672 0	97309715
Fetuin beta (Fetub)	0.0887562	1.0487687	0.8687275	0.0550004	17030204	72434326	1 1351656 0	89741313	1 BRABBRAA C	3 86434823	1,1266035	1.18743	1.0884122	1.2363414
3-hydroxyisobutyrate dehydrogenase	0.8418526	1.383831	100000	0.330370	4 24 57 425	4 4464 465	4 2250407	07572135	1 2814063	0.8027306	0.825884411	0.79209924	0.7269436	1.0682459
Carbonic anhydrase III, sequence 2	0.9431118	1.048/441	0.6426175	0.02/3/035	4 6677373 0	B0601172	1 0508276	1 0189906	0.8595983	0.82612914	0,9763483	0.84325767 0	1.85874087	1.1835347
Phase-1 RCT-10	0.6/24295	000277/17	0.12030213	1 824 48577	4 4160643	1 012327E	1 232 1903	1.1696905	1.3915046	1,2226871	1.7825247	0.9090282	1.0393802	0.8566074
Alpha-2-microglobulin	0.0000000	0.04436775	0.56143543	1	0 8241515	0 8213961	1 0888954	1,05099191	69954157	0.97917336	1.0162338	0.97690296	0.9384281	0.9808091
Dynamin-1 (D100)	4 0054838	0.84433273	0.83533315	0.92261845		1 025619 0.457	58426	0.9730262	9339858	1.122372	1.0811367	0.7740591 0	34748805	0.9820057
Lysy oxidase	0.4420404	0.88756615	O KROBOSO	0.4834865 0	0.54416084	0.5776445 0	778976877	1.0621316	1.1413773	1.0041705	1,0606766	0.9906409	1,0744127	1,353348
PRISE-I RU1-232	1.1996621	1.0160234	9376		,84895295	1.1956698	0.8970807	1.0218439 (Н	0.9278083	1.0541471	1.1294467	1.040101
Phase-1 PCT-278	1.1387458	1,3459615	0.90492356	1.1689148	1.1540174	1.2189206	1.1556851	1.1790813 (0.89711857 (0.63648057	0.7773977	1.0954565	13053411	1.0562038
Phase-1 RCT-42	0.9227326	0.88356686	0.7224893	0.8267304	8765	1.1866771	1.2215459	1.1504073	1.1106798	1.1948313	535378	1.0100645	1 0205524	0.3200377
Phase-1 RCT-25	1.0827335	1.060758	0.9553983	1.1275394 (0.95692307 0	0.83103114	0.8863662	0.8892895	0.92985475	0.0434302	0.30433324	200000	0 8402584	1 0024765
Cytochrome P450 2C11	1.1374034	1.1230664	1,6298933	1.2072562	1.0282774	1.0537816	1.0582864	0.9872579 0.86	0.86585337	1.2/40/48	1.1/4212/	4 ASSESSA	130069	1 1314552
Phase-1 RCT-202	1.0024682	1,3143045	1.0065697	1.0360368	1.4119371 (0.85261583	0.9345258	0.816/09/	0.9781077	0.9029009 0.8727479	0.8279845	1.2829112	12195559	12596416
Complement factor I (CFI)	0.9715983	1,4136932	1.0029222	1.1517541	11115294	0.7853/71	1.0726308	4 4405449	4 0001537	1 0748879	95962060	0.86037326	1,0023931 (,86336964
Proliferating cell nuclear antigen gene	1.0850874	1.0372772	1.3832303	1.2763162	1.033335 0.3915	13915//2/	76443967	4 4390245	0.49204215	1.2822056	1.1339073	1.1734228	1.0272698	1.2657508
Activating transcription factor 3	1.0546737	0.8145002	1,0/194003	1 0400468	0 04664087	0 08030587	1 1277555	10019656	0 9672682	0.88943726	0.8900354	0.91477954	0.96259654	0.93513477
Focal adhesion kinase (pp125FAK)	128/827	1.077702600	1.001217	1,0450400		O ONEOKARK	1 1170501	0.99165404	1.0622177	0.9919961	12031344	0.9698447	0.9422024	1
Phase-1 RCT-289	0.70833826	4 4503034	4 0640700	4 EAABAS	4 37/3666	O REBARRO	R4677166	+	0.93907565	0.8448924	14 0.95728964	0.8734048	1.02601	79221207
Phase-1 RCT-259	1,2509708	1.1093924	0 8008953	0 9271944	0 9041999	1 3774465	13186419	1.2631097	1,0185441	0.9715442	1.0295917	1.0631104	1.1880623	1.0323111
Iron-responsive element-binding protein	0.7230005	1 1000071	4 3744236	25041	1 2688493	1 0875078	0.7548979	0.9652919	1.0314152	1,1438619	0.9624206	1.1995666	1.4604423	1.0184325
MHC class I antigen RT1.A1(I) alpha-chain	1.3110204	1.1003027	1 2423602	0 93284	1 3599715	0.7825933	1.2763528	1,0651153	1,313287	1.1664697	1.2463592	0.8505971	0.6396433	1.1765555
Any sulfotransterase	0.0100143	0 00000	0 0443958	0783B	0 0303318	0 903(122	1.0072215	1.0515903	1.0539837	1,3181348	1.0678984	0.82832897	0.96597767	32670846
Phase-1 RCT-171	4 4200026	4 530536	0.0011000	2362	1 006408	1 0197268	14200721	1.0191418	1,0352676	0.61197454	0.75794166	1.1073446	1.6022089	0.9101229
Phase-1 RCT-83	1.4400020	1,320,330	0.3077137	1,0402302	20477496	O SABSORG O	78825784	0.6843891	0.6657512	0,47016996	81056260	1.4407829	1.2062541	0.9390898
Phase-1 RCT-270	0.44/03303	4 4004970	4.00010903	4 4403004	4 470263	1 0640845	1 105267	0.8871951	0.9025788	0.9446176	1.0724951	1.0004191	0.89941794	1.1332631
Colony-stimulating factor-1	1.1560817	0.72267053	1,0034502	0.65581375	1.173203	1218904	0 9782269	0.9522469	1.053141	1.0104719	1,0302268	1.1223911	0.8059357	0.9506587
N-cachern	4325140 0.04143514	0.10000000	0 66797494	0 68048377	0.8076718	397287476	1.1476854	1,1118689	1,0395883	1,3656489	1,093499	0.89739704	0.8980396	1.130849
Phase-1 RCI-62	1 092497B	1 0506248	0.9416623	0.5597503	1.0976388	0.8914519 0	1,86461616	0.9556441	1.0494661	0.8941246	0.94648343	0.89697236	0.90437573	0.9494931
Mase I Moi-22	1 2640461	0.9036488	1.1403708	1.3955013	0.8208142	0.9548324	1.061699	1.0325601	0.9239421	1.0214568	1.0522934	0.98266524	1.0041554	0.9720713
Desco 1 DCT 18	0.93781585	0.9070922	0.9649357	0,9006067	0.8840186	0.9361278	0,88168573	0.98587734	0.9673203	0.9994537	0.942918	0.8590237	0.9421533	0.8213382
Phace-1 RCT-123	1.0553854	0.93394744	0.92569864	1.0203613	0.8938387	0.9630592 (1,82941365	0.9803798	0.9675326	1,0007063	0.91423506	0.81384635	1.03273	108374333
Phase-1 RCT-66	0.5329588	0.8721499	0,5385245	0.49118313	0.37432134	1.0181289	1.3087037	0.96037096	0.8587025	0.8853228	0.35025034	12130003	100016071	.000000
Equilibrative nitroberzy/thiomosine-sensitive								0.000000	76767030	0 78507765	0.9415851	1 0148141	0.9855759	0.9294696
nucleoside transporter	0.6776803	1.0758263	0.7597561	0.84169644	0.8603395	U.85631454	0.8314433			1 142383	0.6794564	0.576338	0,73089886	12537758
Glucose transporter 2	0.41103432	0.69196534	1.0567692	0.3265634	4 0034703	1 4745/22	1 3000305	1 4634701	1 2561334	1.654316	1.1347028	1.3345323	1.0658422	13312223
Multidrug resistant protein-2	1.0311834	0.882085/4	2 001 1673	2 80780B	1.3034/UZ	1 5689169	1 0108095	1.0120044	1.1017591	1,5593139	1.1122282	1.3366612	1.0589719	1.4592414
Mulidrug resistant protein-1	1 4057343	4 4784774	1 3102047	1.3584665	1 2186543	0.8884397	0.8822333	0.8601179	0.8501207	0.79155666	0.7907923	1.27.28688	1,3891957	1.0738508
Dhara-1 PCT-180	1.5399216	1,4524013	1.4823052	0.99396894	1.7711872	8	0.87238425	0.9145651	1.0611488	0.7903211	0.8930684	0.92858243	1.1221172	0.92681247
Intervir bela-4	1.0840791	0.98851275	1.0356455	0.9421206	0.8703772	1,0781981	44433	1.0005049	1.0486491	1.0890344	1.0320821	0.86/5053	0.8653471	00100000
NADPH cytochrome P450 oxidoreductase	1.1569691	0.6486799	1.2946115	1.1291336	0.664258	_		0.91737604	1.0737891	1.5/01/4	1.0759531	1,00034746	0.03657674	1 87857017
Wafi	1.5035222	1.2838515	9.50907	4.08928	3,4621618	0.9517542	0.6840023	0.94105764	1.03407.34	1.01/3333	0.94 4655	0.13024190	0 6470783	0.9678648
Endogenous retroviral sequence, 5' and 3' LTR	0.8812835	0.96220666	0.54682577	0.86760324	0.96978414	0.96709624	1,0348	1.0914390	1.0104007	10722708	0 9424229	1 0340971	1,083175	1,028026
Phase-1 RCT-53	0.77456695	0.8594768	4 4 4 4 4 9 2 0 0	4 9000027	4.4474786	4 220026F	-	1 0133678	1.0325767	1.0485672	1,0331802	0.89708424	0.94664908	0.8222191
Phase-1 RCT-54	0.003730436	0 00063015	0 9116349	0.7351872	1 2933073	1 0204208	0.87850285	1.020621	1.0758342	0.9530173	0.80763614	0.75675625	0.9174367	0.69996125
Phase-1 KCI-240	0.9493125	1 2305849	0.94447535	1.0964407	1.1835415	0.7407724	1.0749507	0.7816151	0.92797107	0.67849624	0.96190566	1.0227998	1.0091563	1.1701543
Osteopunin	0.8308351	0.8870395	0.7051098	0.90643615	0.9223273	1.099602	1.1413019	0.82543653	1.0481932	1.2706589	1.0716151	1.50283	1309006	1.1306579
Phoen-1 RCT-241	4.6127553	2.9496834	2.1750681	1.8122882	2,9385993	1.0363545	2.106861	1.1297251	0.96274424	0.673853	0.77530426	0.78949725	1,0354385	0.80894/0/
Tissue factor pathway inhibitor	1,4063146	1.0801951	1.1455456	1.1482121	0.95506656	1.1162702	1.2469308	1.132873	0.9603133	0.7640941	0.8049913	0.82019103	1.1400034	0.01543630
Cyclin-dependent kinase 4 inhibitor P27ktp1 (alternate	A 0005454	0 046046	4 400413	1 21256RG	1 6720546	1 4630086	1.7366414	1,4343967	1,3479036	1,5240782	1.4636071	1,3409951	1.1104991	1.0052854
done)	0 909803	0.8488231	ľ	0.8791264	0.684717	0.90494	0,3698325	0.9390286	0.88063574	1.10201	0.97521454	0.884699	0.78793997	0.7411578
Priospionipase of	1.1596559	1.2135946	1.1729556	1.1662363	1.1832683	1.1118488	1,3464315	1.1512735	0.967741	1.1390369	1.0394971	1.2011676	1.0232345	0.79646313
Phase 1 RCT-258	1.4600809	1.4139081	1,3011248	0.6719368	1,3431556	0.9520531	1.1594983	1.0773073	1.0188663	0.9749658	1.0334486	0.95993435	1.002929	1.0369381
Phase-1 RCT-113	1.995919	1,8300588	2.190364	1.8244907	2,540218	1.1276137	0.91368043	1.0554466	1.0480039	0.9835567	0.94627875	0.823636	1.0463/3	1.109/2/3
Adenine nucleatide transfocator 1	0.95936745	0.82575655	-	0.9386895	0.91131955	0.76620764	0.8426224	0.76473343	0.9979406	0.78557875	0.8840476	0.00310/4/	1 2418674	0 95870113
Apha-1 acid glycoprotein	9.906218	9.17187	9.745886	7.6064277	11,750894	1.4438373	2.4566193	0.8740063	4 4363348	1 8288334	1 3353962	1 0427924	0.75787145	0.88751644
MHC class If entigen RT1.B-1 beta-chain	1,0347905	0.7897221	1.3604579	1,5433401	2,8082101	1,3347 (01	0.40337 0301	U.Dreuor acor	1,10000141	1100000000	-			

			120010001	102101	0007,700,7	4 47447044	4 50004477	1 1050124	4 AC78806	4 02726771	1 0939708	4 ng3g7gg 0 96424856 0 87350385	L	1.1472305
Organic cation transporter 3	1.1905/81	1.1905/81 0.9669128	7,203400/	10100	1.0014603	_1	_	1 200		1,0512017	4 4000047	4 400004 A 043C3C5C	L	4 0181475
Hypoxia-inducible factor 1 alpha	1.0786511	1.0786511 0.9890503 1.1197275 0.9509475 1.1195617 1.2085173	1.1197275	0.9509475	1.1195617	1.2085173	12757422	1.0872145	1.025/501	1.13106/3	1.1083817	0.3623500		2010101
Direct DCT 43	0.9629973	1.01235	1.0448523	0.8640939	1.01235 1.04485231 0.8640939 1.5650941 1.1925489 0.9461465 1.0004077	1.1925489	0.9461465	1.0004077	1.1190143 0.97739697	0.97739697	1.009402		_1	0.8345.507
THESE TOP A		٩	1 12284R5	0.8601322	4 1228465 0 8601322 1 7363828 1 2450672 0 9236604 1.0615476	1 2450672	0.9236604	1.0615476	1.1273528 0.9367973	0.9367973	1.0192231	1.0192231 0.78686714	0.9163189	0,7803048
Task Total	4 0 40 00 4	4 4772042	A 97911R4	1 1002082	0 0701184 1 10070R2 1 2134737 0 78518073 0 90899575 0 85466903	78518073	90899575		1.0685753 0.72318697 0.94428027	0.72318697	0.94428027	1.0545538	1.1708604	1,0585225
Walate denydrogenase, cytosolic	1 8813839	1 2528978	0.6972083	0.6972083 1.0043805	1.3489887 1.2726611 1.5941685 1.3160708 0.09629533 1.1524645	12726611	1,5941685	1,3160708	0.99629533		0.7344563 0.45198924	0.45196924	0.6395731	1.1774998
VLDU eventent	0.0670704	0.0575704 0.00773043	O BUSE 384 O 07074753	97974753	1 2084311 0 9405941	0 9405941	1 062203	1 067203 1 0649495 0 9040099 0.8527022	0.9040099	0.8527022	1,033908	1.1200727	1.4748385	1.1915102
2	0.0370134	0.03/0134 0.03/10340	0 9008952		0 773255	0.772755 1.0666528 1.1367122 0.98333077 0.9623762 0.9731227	1 1367122	720233077	0.9623762	0.9731227	0,9159298	1.0845745 0.95935905		0.8680004
Alpha-leightolein	0.82182014	1.0524913	0.8964319	1.0210074	0.8964319 1.0210074 1.2451465 1.0078222 0.95410323 0.78256885 1.0221809 0.9000983 0.96865416	1.0078222 0	95410323	1.78256685	1.0221809	0.9000983	0.96865416	1.1985863		1.2153358
and antivator	1 1040685		0.91145635	0.9682328	1.0848544 0.91145835 0.9682326 0.99513817 0.83050424 0.8764427 0.8569605 0.91473556 0.84721905	33050424	0.8784427	0.8569605	.91473556	0.84721905	0.9318565 0.99080354	0.99080354		0.9383564
Disco 1 Det 106	1 0310414	1,1701188	1.1178592	1,1178592 1,2265487	1,243899 0.86395884 0.97447884 0.9086979 0.9376265 0.84888788	3.86395884 C	97447884	0.3086979	0.9376265	0.84886786	0.9776628	1.2136102	_	1.0892107
I was fath acid hinding protein	0,8706386	0.7242712	0.6296095	0.6795189	0.8296095 0.8795189 0.9256668 1.7007453 1.7047597 1.3365463 1.7108832 1.1183078	1,7007453	1.7047597	1,3365463	1.7 106832	1.1183079	1.4679508	0.9555131	_	0.9953316
Aloha-(microdobulinhilamin medusor (Ambo)	1.1369314	1,4178166	1,099044	1.1657102	1.3292364 0.8030365 1.0620592 0.8527561 0.9381735 0.7464494 0.93009937	0.8830365	1.0620592	0.8527561	0.9381735	0.7464494	0.93009937	1.0517188	12163959	1.1948831
Dhora 1 DCT 204	0.89678884	I	1,0007218 0,94186866	1,03861	0.7990686 1.0029899 0.72046626 0.95382905 0.9466807 1.1107278	1.0029899	72046628	.95382905	0.9466807	1.1107278	0.988689	0.986689 0.8311626 0.85261977 0.81443/03	3.85261977	81443/03
Phase-1 BCT-151	1.5111247	<u>. </u>	1.2442015	1.2189025	1,6100427	1.1176927	0.8703037	0.9625665	0.98143214	0.6921885	0.8003945	1.1176927 0.8703037 0.9625665 0.98143214 0.6921885 0.8003945 0.82670876 0.898235 0.91477084	0.999235 0	91477084
Dec 1 Det 169	1 1625137	1 0035044	1.0394673	1,0394673 0,63271683 0,98583543	3,98583543	0.8341812	0.6862922 0.95663774			1.0252589	0.9345807	1.0252589 0.8345807 0.71353745 0.70520525 0.8096234	0.70620525	0.8096237
Division of Device of the Control of	0 9359502	1_		0.9066542 0.9394296 1.0299114	1.0299114		1.2270768	0,9668486	1.159901	0.9301622	0.9389841	0.9389841 0.99787706 1.0921589 0.95138894	1,0921589 (95138884
TIGOGI NO. 22	0 8239827	0 8230827 0 89370275 0 75021005	0.75021005	0.8500578 0.9133351	0.9433351	1 0058752	1,175792	1.0780737	1,4034483	1.0926036	1,0107147	1,0107147 0.92395324	1.1929294	0.9754791
FIRSE-1 PCI-COS	0.0457056	0.0000000000000000000000000000000000000	A 705062	0.00000		0 0008337	1 2568948 0 9780385	0 9780385	1 0005373	12172202	1.1494111	1,3100418	1,0382384	0.8974793
Organic anion transporter 3	0.000000	4 0000000	4 4075704	4 4557774	4 4557774 4 4477046	0.045840	1 0194211 0 9277153	0 9277153	1 0636213	1 0636213 0.86283964	1.0718575	1.11092232	0.8888739	1,2920443
Matrix metalloproteinase-1	0.9363062	_	1.18/0/04	1.1000	4 4000034 0 77430334	74200374	4 406,4607	4 406.4507 O GESTONES O BOOTBB4! O FOMASOR	O BOOTBRI	0 5944508	0.8188877	0 9703099	1,3040768	0.955592
Urinary protein 2 precursor	0.70481384		1.2205104 0.83131903 0.6803555	0.5503333	וינטאסטין.	177 150334	100430	000000000000000000000000000000000000000	200000	000000	0.0074746	0.0074746 0.04446345	CACOSAR	0 9199735
Phase-1 RCT-212	0.847584	1.0408399	1.0012947	1.0971035	1,0367546	0.8877345	0.802483	0.802483 0.88327884 0.85834105 0.6509163	BINESCRO	0,000/100	0.007	2000	ALL PARTY AND ADDRESS OF THE PARTY AND ADDRESS	
												1	1	
(1) Gene expression data for 6 hour timepoint are														
presented as mean ratio of treatment/control for all 6								-						
hour predictive genes (Table 18).						1			Ī				İ	ľ
(2) Compound and dose abbreviations as in Table 1.														
(3) Individual animal number														
(4) Liver inflammation classification for compound-						_								
dose group at 72 h: yes-near, necrosis observed; yes-														
both, necrosis with Inflammation observed; no, no												_		
						†	ľ							
(5) Predictive gene (as in Table 18 and as included in Table 28)														
Table 60)														

Table 28 Euroscen Pats for 8 Hour Tonamiet (1)	-			-										
				П	П	Н				П	0,721,70	2	\neg	20 0010
Compound-Dose (2)	CLOZ 180	CLOZ 180	CLOZ 180	т.	CMC 30	CMC 30	CHEXOS	CHEX 0.5	CHEX 0.5	Crex 2	CHEX 2	7753	G-HUS 23	2142
	2431	2432		2		3 2	5	2,77		9	2	0	00	
Cene Name (5)														
Insulin-like growth factor binding protein 1	1.0187067	1,122365	0.8346951	1.0216945	908531	0.98576295	0.8641444	1,4837782	0.96971884	8.189722	38.193382	18.845623	1.2939781	1.6581142
Gadd163	0.9333098	1.1765646	0.9342311	0.76069665	0.8100289	1.0811524	1.9636092	1.385269	1./8444//	1,32,38/5	15007	1.0000E	1.0200000	1.101.13
c-myc	0.9443395	3.2173533	0.8386362	1,2135689	1.311942/	1.4491/34	1.3042644	1 1277021	1.0629793	1 2139448	1 4987214	1 2468987	1163266	1.1450868
Colombia Colombia	CANANTO O	1 1797477	1 5047537	0.76836973	0 98777333	0 6843788	27601736	3 3044343	3.1731493	2.968516	5.7428937	4.2624383	1.2560953	1.387408
Here Angelore	1 6500137	1 1148443	13064055	14164264	12920971	0.9538655	0.7792441	0.83372355	0.9211622	1,321163	0.9363931	1.0621456	1.0715398	2.067676
Phase, 1 RCT-109	1.0754565	1.0705416	1,0619936	0.781185	0.892053	0.6276345	1.2626413	12305433	1.0133312	0.7945779	0.68770665	0.816251	1.4624946	1.7340869
Phase-1 RCT-111	0.96213365	0.9423895	1.0972352	0.8307282	0.8214862	0.6682127	0.96636415	1.1025436	0.991831	1.1884301	1.1138326	1.1232859	1.2598711	1,449069
Argininosuccinate lyase	1.245413	1.3072342	1.5775527	1.0951878	1.0512652	0.9066866	1.7755879	2,3974206	2.6214097	1.5724729	3.2236745	2.7559874	1,36262	1.4035317
DNA polymerase beta	1.8108497	1.0505556	1.1597457	0.78776866	0.8259411	0.8442037	1.1406798	1.1150112	1.2850245	1.4504987	2.3402507	2.0675578	0.77320755	0.69879514
Phase-1 RCT-103	0.8571886	0.93926555	1,1162456	0.8312061	0.83138895	0.68761665	0.9066719	1,0556403	0.8691581	1.1469488	1.1023198	1.0694842	1.2160561	1.4015518
Ribosomal protein S9	1.0398194	1.2490276	1,8358265	0.7214678	0.7880157	0.59721494	0.7601649	0.7915063	1.0827116	1.4512926	1.8456625	1,5353234	0.9160556	0.8359784
Phase-1 RCT-114	0.94658893	1.0121496	0.9743528	0.96146077	1.0235918	0.930606	0.8861073	0.7669738	0.7279989	1.3851943	12488121	1.4716244	1.0159853	1.1065413
Phase-1 RCT-15	1.2318407	1.3845695	_	1.0426614	1.1671517	1 2003523	2.660902	26730523	2.385244	2.48//126	32/8/433	4.6026/82	1,0163632	17704171
Macrophage inflammatory protein-2 aipha	0.8917656	0.9840262	0.9278642	0.96155396	1.56/3363	1.6591642	1.8509347	1.0104/30	1.0357 194	2.07.33010	10/10/14/3	1.3 10/ 831	0.312000	2000
NGF-Inducible anti-proliferative putative secreted	1 0403634	0.01434836	0.0376707	1 2660490	1 1506255	1 4273437	1 8212605	1 5847789	1 3271519	5 7076497	5.450073	7.0906177	0.8127426	0.8492096
Dices (PCS)	2000000	4 3980558	1 0000071	1 0374904	1 1167624	0 86200494	1 0504016	1 1676775	1.0786465	1.1933134	1 2490894	1,397703	1.1218534	12998897
Distract DCT 63	0.99396	0 9915919	1 0686412	0 98069584	1 1693697	1 1590639	1 5989001	1 4704001	1.4390527	1,0895343	1.082902	1.1731511	1,1125692	1.2556125
Code Da	1 058201	1 079019R	1 1754645	0 91564906	1 0809525	0.76320976	1.015288	1 052159	1.0575572	0.9148248	1.0068737	0.88431746	0.9580838	1.1088594
Dhara 1 DCT_108	0.71356696	0.6559112	0.9081972	0.9493956	0.91628265	0.8333407	0.8565724	-	0.95671666	1.1122123	1.107765	1.0359417	1.2624182	1,3804874
Dheed DCT-58	1 1579002	1 0375938	0.83612907	1 1401933	2	0.86574847	1.6422244	1,6930892	1.8302311	4.2118835	2.9239247	7.6039724	0.9217425	3.72914946
Phase-1 RCT-192	1.2670875	1.0057681	0.85855246	0.8172199	6	0.7256047	1.1174111	1.1924927	1.0751745	0.9897415	1.0922937	1.1567072	1.0236365	0.8915966
Phase-1 RCT-75	1.0270292	0.9723821	1.0765303	1.1710882	1.1886568	1.0708501	1.8986644	1,8782042	2.058471	1.517675	3.072005	2.5647874	0.9999719	0.94325938
Acetyl-CoA carboxylase	1.0765935	0.9105415	1.0918167	0.97405714	0.9380899	0.97103983	0.9110474	0.86470383	0.87091666	0.9954698	0.74515885	0.73244965	1.0301207	0.8291789
Phase-1 RCT-95	0.7769829	1.054768	1.0927321	0.8395039	0.8726918	0.7249919	0.8853052	1,095,3561	1.1089492	1.00/0662	1.0722302	1.1350035	0.8346763	0 8834077
Cystalin C	0.6702863	0.8811216	1.0597132	1.011/192	1.1101016	1.0135/38	2,000,0	1.1830008	1.1303048	3 000000	SELUGO 1	5 7354307	1 0370778	1 096836
Phase-1 RC1-49	1.00/0745	1,0144081	778077880	1 0303488	1.1009719	0.37 000 10	1 1153282	0 78590046	0.883858	2 6228142	1 1738334	1 064662	1354104	1,39036
Goddas	0.92261523	0.9435921	1.5789286	12575942	1.8472987	1,2860641	1214662	-	1.0798941	8,564091	9.897914	13.841803	1.4409771	1,5393377
Phase-1 RCT-156	0.7464246	0,8996046	0.71963453	0.8216924	0.848494	0.70577973	0.90313804	0.9813228	1.1053262	1.0145481	1.0426317	0.93389857	1.1806768	1.3051775
Cofflin	0.9940267	0.9770746	1.0979797	1.039065	0.88440275	0.94893706	1.11647	1.20594	1.4250977	1.3423406	1.6073455	1.5010407	0.7950489	0.7883674
Phase-1 RCT-127	1.0849568	1.0100638	1.1774249	1.1844738	1.1618335	0.9404816	2.8177075	3.3913255	3.8954964	1.4004384	2,4070141	2.910667	1.00687	1.0534836
Macrophage inflammatory protein-1 alpha	0.97353335	1,2308886	0.7427456	1.2069107	1.1516151	1.3781619	1254737	1.4303427	1.1345794	1.0463153	1.25/3816	1.1030653	1.01803B/	1.1414//6
Zinc finger protein	0.9688488	1.1548481	0.8096424	1.1444403	1.0999786	1.0347527	3.484682	4.6837034	3.4983404	5.8323665	20.65312	16.23868	0.36/1843	0.87000557
Phase-1 RCT-73	1.0321558	0.9962387	1.1204464	1.03073	1.0239667	1.1554004	4 2002027	1 258907A	2 24 79005	2 5139816	3.0947185	3 1190524	0 6307512	0 R0907285
California synthetise	0 831854	0 9751314	1 134305	0 9255394	1 0717598	0 8385773	0.7869753	0.66231346	0.7649313	1.1219428	1285401	12177256	0.8936207	0.9056285
Phase-1 RCT-242	0.9837761	1.063435	0.89368933	1.1210269	1,3456041	1.4646462	3,2036362	3,7286282	2,3161387	6.8508797	4.933473	4.459887	0.93541855	1,0391505
Phase-1 RCT-50	0.9771627	1.0112197	0.94654065	1.0047923	1,1946847	1,3816605	4.033162	5.585607	3.449078	4.107797	7.0997188	8.844672	0.8369129	0.83537285
Elongation factor-1 alpha	0.95489323	1.0186756	1.1598856	0.6796511	0.75918853	0.5408555	0.9531817	0.9033678	1,2136638	1.1315401	1.4706717	12901378	1.1241682	1.014994
Inlegrin beta 1	1.0403761	1.0186528	1.0347819	0.96670663	1.0961601	1.4365923	1.6006643	1.7452571	1.5779473	2,133543	3.3411343	4.0190945	12312363	0,7000.
Insulin-like growth factor binding protein 5	1.3004277	1.0063465	0.8791301	0.9107378	1.0033293	1.2646027	1.2528591	1.1182004	1.200/281	1.35/6/09	1.15524 9.4536328	1.35286US	0.0677860	0 012524
Phase-1 RCT-59	0.9104352	1.108546	0.8203917	0.90/19664	1.0232013	0.9054.3497	2.365/33/	0.07170043	0.744003	0 9708567	1 0794845	1 1109744	1 274756	1 4725459
Prissel RCI-76	0.914244	1.014321	4 4885884	0.00063596	0.6506141	0.82036394	0.5505249	0 6648522	1.120655	1.0574666	1.3032757	1.1911676	1,7259506	2.124993
Colemantain D	4 21715R	1 058922	1 357 1421	1 2520851	1 2004907	1 21 13943	0.3091596	0.23263668	0.3935106	0.5799427	0.40319163	0.32962418	0,986875	0.9163028
PTEVMMACI	1.062178	1,1247038	1.1277546	1,2119423	1.1659136	1.1961445	1.1703516	1.0745122	0.9237356	0.9332953	1.0105528	0.8541188	1.1631498	1.252851
Phase-1 RCT-214	1,0150075	1.1070365	0.97458285	1.1208043	0.8715661	1.0046376	0.6881101	0.5054577	0.8831326	0.8136953	0.57815725	0.6637799	1.0363982	1,0669336
Phase-1 RCT-112	0.9289598	0.8676467	0.87328666	1.0344429	1.0575608	1,3726337	1.1756241	1.121565	1,0746666	0.8246776	0.8505295	0.77735424	0.92841136	0.9977908
Thymidylate synthase	1.0131876	0.89110404	0.7403107	1.1896576	1.3338974	1.6733768	1,145832	1.0956454	1.01/4305	1.0491/2	7,00/6134	1.0350474	2000000	0.93400013
Phase-1 RCT-13	1,0205206	1.1139735	1,038/123	4 2755677	1.21306534	1 5107742	0.5576074	0.62602235	0.89378753	0 81999774	0.9084436	0.8458162	1.1175299	0.9906919
Nucleosome assembly protein	0.90330330	1 1206236	0 7854834	0.74669496	0.63865924	0 72291464	0.9487857	0.8408052	10106151	0.93073267	0.5651805	0.7264097	0.7046924	0.84061974
Vesicular monoamine transporter (VMAT)	1,0121392	1.0760794	1.2249548	1.0869223	1.2398696	1.3642768	1.606795	1.3996212	1.2513694	1.1835974	1,316032	1.2437865	0.8669417	1.1143758
Phase-1 RCT-260	0.9474708	0.95330536	0.85375893	0.9965635	1.0199354	1.0844412	1.1691197	1.0737649	1,0518166	0.9112225	0.8755083	0.90008694	0.9255575	1,0023965
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Diese 4 Port 20	4 43940781	0 08908171	0.0585284	1 064799	1 0628623	1 0001633	1 2728591	0.85517544	0.67721591	0.91963834	0.9954786	0.845219551	1,8109145	1,3686526
Peroxisome assembly factor 1	1.0653939	1,0212761	1.0534497	1.1920707	1.2849058	1.0114678	1 229262	1.194413	1.4510008	1.1693993	1.0272114	1.0750761	1.150406	1,5084797
8-oxoguarine DNA glycosylase	1.0015395	1,0086834	0.9101519	1.153777	1.0768057	1.2754111	1.3796998	1.479251	1.350742	1.2064193	1.1115209	0.94930226	1,0469246	1.0056523
Phase-1 RCT-82	0.9458508	0.970567	0.84491533	3,93425083	3.97880805	1.177113 0	93200964	0.8798012	0.9313718	0.91627	3.86032635	0.87931174	0.8505064	0.8814123
Matrin F/G	1.3169703	1,0048647	1,2082014	1.2447422	1.2025207	1,0890467	0.5788982	0.55067146	0.7351203	0.6149099	0.5302459	0.45797944	12824531	1.0650.358
Phase-1 RCT-184	1,2107718	1.0644588	1.1325516	0.9409657	0.9412309	0.8471074	0.8882569	0.8770954	1.0490959	0.9229969	1.0245337	1.1412922	0.751933	0.646//35
Phase-1 RCT-168	1.0742358	0.B2647777	0.9121315	1.00/7223	99353665	7659/1639/	0.51/829	oonschee n	0.5347207	0.770014	7,00000	0.04004030	0.000000	0.7020000
Phase-1 RCT-119	0.8382615	0.93080443	1.1316528	1.0356885	0.9959465	1.3149339	0.9015281	1.2205942	12153145	1 244 5003	1.1032023	4 24 22 CO 4	04457766	76897845
Carbonic antiydrase II	0.91021856	1.0113244	1 2002007	4 440372	0.0030013	0 700000	1.2343212 64529634	0 5601863	0 7249233	89424796	AR31R9F4	0.81100714	9849756	88178876
Drees 1 Oct 21	1 0951779	1 0750757	1 1083864	1 0897866	1 2617254	1 2610478	2 0775554	2,009428	1,6412561	1.4400856	2304412	2,602543 (96905416	1.0674455
Phase-1 RCT-179	1.1828905	1.0944417	1.3954943	0.8824895	1.0650761	.67176485	2,000525	2.1926706	2.3926995	1,8514495	3,7769787	3.514739 (3.82945675	.88537216
Phase-1 RCT-161	0.7343197	0.9299735	0.7980477	0.84774584	1.0413993	1.4442161	1.0018919	0,9606074	0,9102384	0.9405335	0.90320285	0.84838045	33348525 (.76148254
Phase-1 RCT-207	0.96258175	1,0310225	0.98978347	1.160821	1.1341091	0.9207895	2.7614477	2,5460906	2.2760494	3.0277555	4.7050414	4.5417094	1,0999082	1.2015456
Phase-1 RCT-144	0.913031	1.0675185	1.2196552	0.7341973	0.8196614	0,6296161	2.5857449	3.6033442	3.1176043	2,4285176	3.5942986	4.4746027	0.8841828	1,0156157
Phase-1 RCT-225	0.64958566	0.82760143	0.93371683	0.7480868	0.8256199 (0.27225944	1.4610342	1.2179135	1.4160423	0.6521165	0.5427963	0.8860172	1.2687068	0.9506828
Cytochrome P450 2E1	0.73093873	0.9701947	0.9544632	1.1509818	1,1771178	1.0047926	1.119516	1,6182413	1,3057531	0.8478242	0.5055624	0.84447086	0.7969885	0.6166129
10-1	1.0591007	1.039665	1.1181648	0.8002384	0.9862174	0.9970438	1.3464538	1,5311825	1.5403085	0.8215258	1,0406017	0.9977781	1.0737023	1218934
Thioredoxin-1 (Trx1)	1.2127857	1.0960408	1.0716466	12250621	1.1472393	1,0255165 0	.66098434	0.63705397	0.86/1653	0.94593414	1 18023035	1.0302032	30931616	0.3330300
Carbonic anhydrase III	1,2391126	0.7080345	0.48724124	0.6890884	0.685/8565	1.1619553 0	22514413 0.04	204/304/33	05/900070	70002507	13537103	1.1300403	0.0000290	1 0474855
Phase-1 RCT-140	1.0639235	1.0202109	0.9115962	12117258	1.11/3388	1.182235	1.1105652	1.1035347	7.07/84/4	1,0000034	1,005/214	1 1077041	0.0817011	0 9589218
Complement component C3	1.1234/28	1.2204723	0.54757496	0.9103/134	0.022/104	0 1001101	0.7240700	0.5301970	0.8462257	0.5847417	45059827	0 38421875	0 9977352	68732375
Glucokinase	0.91654733	0.99515550	0.34731400	0.37749103	0.427 1972	0.4501431	0 7753535	0.8270894	0.040249	1 0621073	0.6761285	0.6208133	0.9939498	1,0335377
PHISSET RCI-173	0.9000100	1 0041732	0.0178934	0 984R5145	0 6979559	1 1802257	1 0785125	1 1820129	1.1520813	0.9603048	10340534	1.0647405	10347258 (90773785
Demoisonal multifunctional enzyme hote II	1.1289783	1.0240006	1.4589493	1,1908965	1.155684	10523934 0	78972626	0.79161495	0.85380185	1.0089917	1.2196586	1.1796415	3.79785657	0.7572708
Phase-1 RCT-40	0.8613499	0.89676696	0.3568458	1.0283419	1.1065841	0.9202671	0.5696715	0.46381352	0.6441833	0.95091224	0.9162991	0.8891984	3.82499164	0.7191528
Senescence marker protein-30	0.93073463	1.0866205	0.74319434	0.60065776	0.529814	0,6655551 0	37492388	0.19397648	0.5128356	0.72689044	0.26257765	0.34157932	0.7898583	0.6336256
Cyclin G	1.0041132	1,0827142	1.1595474	1.034909	1,2865733	1.2463012	3.7452185	4.571908	2.1775928	3.4404607	7.979724	7.341203	1.2998382 (36267635
Melenome-associated antigen ME491	0.822859	0.91704065	0.9549704	0.7661839	0.7212641	0.9350305	1.1566821	13748273	3 1.458863	1.2571139	1.358107	1.8041399	4 004530	0.8156/63
Phase-1 RCT-28	1.0590522	0.997922	0.8914727	1.1768854	1.2841991	1.314/922	0.9203/44	0.0130845	3 6	0.90139999	1.03/4/40	0.88198691	12181295	1 1787237
Mark of the description of	10000000	A SPECIAL OF	0.54756405	2 1233716	1415151	1 7834308	0.3923914	0.2831305	0.45201012	0.4969987	0.45633874	0.48395005	1.2804558	1,268367
Sten cell factor	1,0026883	0.9766085	0.796292	0.65321434	0.5942181	0.89360845 0	91351384	0.70879054	0.7200591	0.7034744	0.57186574	0.59201384 (3.81815064	69031316
JNK1 stress activated protein kinase	0.75987273	0.8511034	1.5231436	0.65584004	0.6851858	12697924	57507795	0.5997785	0.6997218	0,6153949	0.8699152	0.6571541	1,0905163	0.8328782
Protein tyrosine phosphatase aipha	67565556-0	1.0104052	0.89560884	0.9407892	0.93860453	1,5596161	1.4178717	12798378	1.3055594	0.6380375	0.7995128	0.8558389	1,0204145	0.896847
Phase-1 RCT-55	1.0411817	0.9595241	0.9942521	0.9220764	0.89477223	0.95689327	1.121799	1.4907624	1.332337/	1.01/0/38	1.1/65/46	12183376	1007/R00	0.050000
Ubiquitin conjugating enzyme (RAD 6 homologue)	1.1891202	1.1756055	1.4245914	0.8570273	0.8660294	0.6664883	0.9942962	1.247427	1.2142897	1,307 (243	4 7500054	7862239+	4 0403534	0.3388838
DNA topoisomerase I	1.0840245	1.20/2941	1.3180852	4 4513247	1 0110842	4 0737574	0.000000	0.7305441	0.72759813	0 87387554	0 7540843	0.861401	0.8549527	1.007301
Phase-1 KCI-280	1 2770436	1 1855384	4 189719B	1 1143311	0 99021525	1 0487516	2193022	3	2 94 1786	8.289341	14,135337	17.289742	1.1861475	1.18179
Retatibulin class I	1,0090874	12194175	1,0281503	0,68258065	0.8112711	0.53818524	0.9494259	0.97257966	1.0230223	1.0003003	1,4682993	0.8410493	1,0758952	1.2891679
Carbarry phosphate synthetase I	0.9083617	1.03925	1.5637815	1.1071286	0.8579747	1.0908264	0.835132	1,2351648	1.2755893	0.88288015	1.2090957	0.68452185	1.2747074 (80972725
Diacyfglycerol kinase zeta	0.9925108	1.0635607	0.9364257	1.1110805	0.9851443	1.0775367	1.3304387	1.0412123	1.284445	1.180212	0.845752	1.0138083	1.1958259	1.1415406
Phase-1 RCT-141	0.8620839	1.1636591	1,5273542	0.88868874	1.4047105	0.6465241	4.6326237	3.715181	4.7781455	3./864366	7300006	2 2027647	1 13/7/873	4 4007840
14-3-3 zeta	4 4 709497	4 4275245	4 2400483	0.05/1456	0.6626668	7.48246E	1.5139643	15375148	1 5489878	1 0906228	1 399437	1 5402387	0.926021	0.7731452
Canting-actin, cytopiasmic	1 0632643	1 1162372	1 1584325	77856977	0.99259883 (0.58786124	12140301	12834426	1,317,1009	1.1635101	1.8168858	1,5273411	1,7436887	2.1965175
Management List	0.8275622	1.0636709	0.98003566	0.7738362	0.7295565	0.72658545 (88487864	1.178215	1.123677	1.047463	12611394	1.1432769	1.0331833	0.8782924
Phase-1 RCT-65	1.2174214	1.0902854	1.1426122	1.181896	1.3632299	1.2637658	1.084024	0.9382915	1,0132	1,570903	12304034	2.1907747	1.3841032	1,4658718
ojun	1.2782836	0.9436312	0.9767608	1.1291357	1.4380051	1.3538828	2.3322034	1.587437	1.4034392	3.9854562	3,0143523	4.009134	0.94563234	1,4562079
Protein O-mannosylbansferase 1 (Pomt1)	1.1557515	1.4288309	12684233	1.013208	1.2134981	0.9774803	1.112274	1.0605539	0.99086773	1.1092023	1,309892	1.1826066	1.083061	2 0218894
HMG CoA reductase	0.9904526	1.0774677	0.8/63052	1.043022	1.0130433	0.555550	0.0720003	4 0064003	4 0404283	0 000540	0.000000	0 96769874	1 000016	1 3203216
Phase-1 RCT-12	1.1095262	1.0/60605	1.4438280	0.8288383	77007CK.D	0.1734320	0.3730007	CZSPCOU.	1.0134200	6100000	10355150	100010000	Ol Croons	
meneron related bevelopmental regulator (FKD)	0.9268757	1.0345932	1.0207139	0.78558826	0.8484688	0.77365303	1,5959315	1.3303684	1.3230062	1.1131834	1.2424812	1.5277249	1.1144816	1.2480401
Glucose-reculated protein 78	1.039274	1.1667069	1,1856852	0.7447172		0.45179874	0.535566	0.3821078	0.53843343	1,2999964	0.6014223	0.5341107	1.0680736	1.6616751
3-beta-hydroxysteroid dehydrogenase (HSD3B1)	1.0599293	1.0123714	1.0091615	0.8306232	1.0016026	0.95530826	0.7582176	0.8239129	0.69119555	0.956894	0.9700759	1.0063759	0.8148979	74765843
Caspase 6	0.93777233	0.9596847	0.92249006	0.87074685	0.87046254	1.3079352	1.22215	1.0536768	1.2765684	1.0889496	1.256474	13291011	1.0951895	1.1518257
Phase-1 RCT-169	1.1343166	0.94899225	0.81445616	1.324167	1	12558181	1.2609965	1.1902367	1.208126	3,927512	4 0679590	1 700807	0.80333704	1.0413430
Phase-1 RCT-197	0.8669242	0.95108986	1.0383345	0.81364393	1.0090856	0.9463343	1.422632	1.3165365	1.1255603	1.1483200	1,0030303	1.053002	1 0807405	1 044174
Phase-1 RCT-34	1,2224481	CALZAO'L	1,13454021	1.2249230	0.92223241	0.53301541	0.33743751	U.307 13291	L.00100.1	U.O. Coro. Co.	U.O. 1 VEV 1.1	0.00000	Take Inda'l	11111111

Phase-1 RCT-72	1.0656226	0.9228984	0 8384939	0 9370287	1 0207202	1 0474843	1 5537046	1 24417591	4 0877403	OGGAGOTY	0 0000440	0.064897371	0 00074471	0.00000
Pynyate kinase, musde	0.94644934	0.9847708	12753224	0,8729103	1.069449	0.987743	2.0013642	2.4644535	2.474455	2.0192885	3,5376008	2.9893672	12199836	1.2529191
Phase-1 RCT-288	0.94722337	1.143585	0.7264443	1,2485912	1.19857	1.2908908	0.42645216	0.374644	0.7963659	0.74425775	0.37805444	0.40716347	0.9937429	.71683747
Phase-1 RCT-80	0.9824997	0.8849633	0.8463334	1.0727717	1,080,741	1.2599557	1.1881741	1.0741777	1.1012596	1.2249712	0.9928503	1.2381337	1.1024842	1.0427147
Cytochrome P450 2C39 (alternate clone 2)	1.0817204	1.1884691	1.1474456	1.5845752	1,3397264	1.3679342	37468025	0,33881193	0.37314722	0.8182376	0.6841817	0.49713522	0.98000383	1.054516
PRISSET RC 1-290	ESCENSE!	0.7748644	1./03/8/3	0.94206816	0.82038975	1.4428232	0.35928026	0.5490051	0.35670143	0.8714962	0.84003043	0.58771783	1279666 (84107846
Mothday On manner right	1.0246136	4.004457	4 4 7 5 5 5 5 5	927775	1.0082476	1.1450429	0.7581877	0.71532387	0.7546052	1.0936155	12321634	1.0969164	1.196212	1.0590504
Chochema DASO 14.2	7570827	1,001137	1.1/05550	1.1036/23	0.8236307	1,0354,256	0.7484835	4 4652044	0.6988035	1.0077415	0.6724401	0.8322273	0.761283 (93168956
Phase-1 RCT-397	1 205430	0.89257455	0.707344	4 0750033	4 4344542	1 1070160	4 2044472	4000014	1,7000143	20132050	10000000	1.2040/33	1.91390120	10/2/52
Monoamine oxidase B	0.96230996	0.96921223	1 3249968	0 7298581	0.7118435	15 0 958R2653	0.5920923	0.5171003	0.65548766	0.6658362	0 0354080	080 0 81054434	1 046475B	B2633734
Phase-1 RCT-264	1.0860701	0.89737946	0.9360956	1.3138854	0.8701812	1 2027841	45449433	328	0.576481	0.0030302	0.7942233	0.7196733	0 9175876	63 104 NOS
Permisome proliferator activated receptor garmma	1.016789	0.8723482	1.345292	1.4028924	12013322	1,5603776	1.1553857	0.97073895	1	1.0215765	1 000515	0.9727267	1 0453944	1 0425767
Phase-1 RCT-143	1.2529032	1.140562	12213695	1,0089344	1.029692	0.98763335	0.6837513	0.70581836	0.8123884	0.9427164	1.0173208	1.0222828	78282243	0 7049451
Phase-1 RCT-251	1.0379226	1,2837496	0.78083086	1.0256062	0.7943911	1.0437231	1.3562477	1,3350239	ड्र	0.77396977	0.7180645	0.627916	1.1093608	1.0065596
Phase-1 RCT-117	1.157483	0.96295834	1.0766649	1.2784011	1,008162	1,0366457	0.5822869	0.7744793	0.48659143	43 0.83976847	0.8318478	0.71501184	1,39(0139	1.1970913
Glutathione S-transferase theta-1	0.81288433	0.892886	0.840219	0.89245236	0.67421687	0.7425621	0.8829766	0.7940333	0.90956795	1.0785595	1.2236003	1.0302591	1.2846841	99226904
Phase-1 RCT-91	1.0797682	0.97596335	1,0004325	1.0005151	0.93563944	0.7683045	0.8199164	0.9313472	0,83760566	0.9792011	1.1854889	1.0925779	1.0755624	1.109279
Phase-1 RCT-148	0.9854407	0.935752	1.0144585	1.0242252	0.8495322	0.96249014	0.5006442	0.5886173	0.59050333	0.7695597	0.64978635	0.54550177	12003601	0.8563471
Phase-1 RCT-142	0.9087539	0.91245866	-	0.94690114	0.8140443	0.8806508	0.68688923	0.74048865	0.7811488	0.9074164	1,0098703	0.9484844	3.84607685	81834567
Activin receptor type II	1,0239576	1.0779346	0.9282078	1.205826	1.2576586	1,3659481	1.2454153	13071941	1.0148063	0.98049635	1.0020412	1.0082223	0.9754583	1.2665211
Glyche megytransterase	0.782/731	0.80645955	1.1848633	1.115882	1.0075824	1,0288708	3.47818047	1.0987804	0.43640515	0.8196112	1.0242357	0.835131	1.4979445	1.0594468
Cilian paymentic forder	7030000	1 0469036	0309000	4 234844	0.83208344	0.79593056	0.8642891	0.9/4/195	0.8797423	0.7549113	0.772033	0.734214	1.1642262	1.3192787
Gao langton membrane channel omiejo heta 1 (Ga1)	0.0500	1,010000	40074004	200	1.0040404	1.1043100	1.1400003	1.1830132	1.013007	0.3230042	1/997950	1,0114046	0.7963636	0.8139/30
	1.2624471	1.2578361	0.8333439	1,111057	0.9956558	1.0836252	85839725	0.72104394	0.58969325	0.74094635	0.59429395	0.67442065	1.0520593	1 244192
Phase-1 RCT-96	0.9750184	1.02015	0.79056704	12422594	1.1304775	1.1230975	1.0546494	1,0191793	1.0123142	1.069524	0.95186776	1.043976	0.97953	1.1474885
Phase-1 RCT-287	0.9099843	0.9658876	1.0431648	0.74027705	0.74004847	0.9174875	3,77343816	0.7382091	0.82855695	0.9359778	0.9983806	1.1918678	0.671769	76546955
Retinal-binding protein (RBP)	1.1934601	0.95449775	1.2538428	0.85087407	0.83694714	0.98381853	3.48563555	0.4681394	0.68880475	0.7239412	0.8181374	0.70037067	0.7191058	59263307
Very long-chain acyt-CoA synthetase	0.8328951	0.7322595	1.1765413	1,0303838	1,0323089	0.94515413	3,60593545	0.5406415	0.6659925	0.71269435	0.79051894	0.7649366	0.8288041	0.7621031
Syndecen-1	0.805197	0.93337166	0.9767249	0.7486695	0.72478765	0.6995726	3.83584446	0.914255	1.1934366	1.1634123	1.5507998	1.1423187	0.9880379 (B7405574
Stathmin	1.0009594	0.9006344	0.7987468	1.089948	1.1737705	1.1907789	0.8237157	0.7500227	0.96882904	0.8910506	0.8840758 (0.83388937	1,2315669	1,2052792
Phase-1 RCT-145	1.1834409	1.2261469	1,3343039	0.87204087	0.9921443	0.68948376	1.6093754	1.9730304	1.8777121	1.4849981	2.2938495	2.104712	0.8591085] (.95994693
Axm	0.95748883	0.95457494	0.9589931	0.96994835	0.89723223	0.95909107	0.698891	0.93632877	0.9091487	0.7785291	0.88236415	0.7013297	1.0923042	0.9067747
Philase 1 RC 1-69	0.91/3/09	0.843545	1,0010699	1.0966678	0.9717411	0.9776908	1.4833469	1.3552105	1.0679753	0.7265346	0.5022255	0.38405246	1.0280267	83296484
Airha-2-marmulahila samana	4 4406033	1.0296532	1,0411139	10,5/61599	0.6227019	0.91848844	1.2259504	1.1588426	1,2380323	0.9488905	0.8117185	0.8171244	0.88593155	0.8826636
Dhood 1 DCT-204	4 2074000	4 4002045	4 22/05/44	1.01.000.1	0.3132077	41100000	1.0/30333	1.1034357	1,0340/04	1.1697701	Cocnoco.	2,000639	0.7203327	0.643339
Vascular endothellal orrawth factor	1 034716	0 9677749	1 0226275	0.9210332	0.342/000	0.8650386	1.0020132	77575750	2.25/040	1,0038/91	3.29/38/1	3.36897	7,69690	0.6531338
NADP-dependent isocitate dehydrogenase cytosofic	1	2.00.0	יאנבטבוט	2	2010	000010000	0.004033/	0.0134030	0.31030/	1.1200302	12304525	1-3443000	30302347	CR2/R101
	1,1709274	0.92431885	0.8436446	1.0873817	0.7924356	0.8468297	0.2780605	0.25402254	0.3197886	0.75827557	0 276826	0.2174262	0 R994059	7530251
DNA binding protein Inhibitor ID2	1.193887	0.7997805	1.249738	0.88819283	0.85264486	0.5861937	0.92888564	0.927643	1.0410438	1.0723747	0.7936211	0.8426619	1.052503	1.0588435
Glutathione S-transferase Ya	1.0547276	0.8371303	1.1255292	1.0818945	0.7286288	0.747023	0.3285549	0.18639188	0.25891668	0.6619516	3.46479285	0.3200059B C	.62382447 0	82011895
Epoxide hydrolase	1.1554788	1.1836209	1,357175	1.0845356	1.2006229	1.1689256	1.0046531	0.81657684	0.9208267	0.8222862	0,6387152	0.9573218	.67672855	0.7166744
instantike growth factor i	0.90688926	0.98337144	0.79361653	0.8383071	0.6758965	0.69117564	0,68469	0.6135472	0.67015886	1.3300824	1.1997052	1.0417246	1,0768254 0	91198266
Dhees 4 DOT 426	4 0430005	1.1/40443	1.17.30746	0.80635417		0.76609623	1.5404152	1.1998743	1.593811	1.2131073	1.2673298	1,3365833	0.8709597	6959789
Plase-1 RCT-137	0.7601674	0.79244574	1 MR13	1 0327876	0.0043517	0.00672007	137559677	0.5341234	0.8545536	770501010	0.55467144	40500000	7000644	0.766247
Phase-1 RCT-138	0.8797453	0,94696724	1,0076941	1.0806599	0.8915489	1.0068104	88419104	1 1107978 0 95	0.95770526	0.891876	1 141090	1 0608872 0	0.97683974	9244862
Hepatic lipase	0.93799925	1,1119158	1.1383406	0.9073119	0.6854541	0.8077158	0.6386071	0.60504967	0.65702146	97788125	0.9630053	0.78172195	0.932708	7780711
Phase-1 RCT-164	0.9849561	0.9093537	0.93231225	1.1302407	1.0042828	1.1339092	0.64437294	0.63978744	0.6410836	0.6891575	0.85761416	0.8615783	0.9500747	0.8932779
Acyl-CoA dehydrogenase, medium chain	1.1653851	0.9814162	1.1864156	1.0722564	0.94185275	1.0571867	0.46850994	0.29772887	0.5446375	74143285	54136264 0	0.60376143	0.7530092	3,8272512
Giutatrione 3-transferase Yb2 subunit	0.95310384	0.86371386	0.8164953	0.68691903	0.6799653	0.6545695	0.701412	0.7081461	121078	0.83724483	1,301496	1.0874017	1.1282247 0	78569406
Carbony reductase	0.94/0199	1.0368848	0.88959354	0.90355116	0.8506447	1.0667654	1.1525304	1.080934	1.0286041	.99955016	0.82780826	0.9828336	0.9052117	0.8470728
Anotheropole E	12/38138	1.2863683	1.135335	1.1050122	0.91165/75	1.0165347	0.46175608	0.45740885	0.6725558	7.72008777	0.8347804	0.71622026	1,0221184	B4678737
(JDP-dtromosylransferase	0 82086617	1 1281242	1 104028	1 000000	4 0784410	0.674436	EE475634	0.40286113	0.0003/330	74700066	2467069	0.6334197	1.2133373	1.1312034
Glutathione S-transferase P1	1.0075891	0.8966583	0.9632041	0.7853265	0.7858371	0.79642123	0.5987298	0.6115615	9900689 0	86289465	0 7769996	0.6995705	1 5767843	3817345
Disuffide isomerase related protein (ERp72)	1.0035805	0.98093426	1.0044721	0.92450567	1,2031457	0.6296736	1,42914382	0.27230242	0,45872933	73395324	0.3492208	0.3091919	0.8283292	2870346
Ribosomal protein L13	1.1594723	1.0452702	1.1446552	1.2873013	1.2014445	12869191	0.6706129	0.57237995	0.6797061	1.0228678	1.0407623	3,89654547	1.08614	3256751
Ceruloplasmin	1.0730141	0.8860239	1.4574193	0.9892623	1.1519556	0.94414777	1.0428966	0.77884464	0.8587022	2,0289123	3.069675	3.1855996 0	87056035 0	95000625
Inter-eigha-inhibior H4 heavy chain (IIIh4)	12769204	1.285847	1.92523831	1.32864341	1.41103981	0.8592617	1,391875	1.0692585	1.29413471	1,5908523	2.3927672	1,7977361	1,5549668	7104399

		0000000	000000	1000000	4 4000000	Transport ,	,000,000	A DADYCOCK	4 055470) pectopeel	4 0440634	OBAMBEROL	1 01385731 (01641825
Phase-1 RCI-3	1.1422381 0.88932445	0.9731916	1 1777506	12/7/5003	1 1091226	1 1311313	0.5285409	0.45324224	0.73802035	0.73177445	0.984035	0.7839945	1,0290033	1.0083948
2 hudensdeeds dreup)	0.80332113	0 91023004	1 0520218	0.9194578	0.8578319	1.0093944 0	46833993	0.34421518	0.5915542	0.801486	0.58402497	52688223	394717956	0.7560774
Carbonic achuritase III secuence 2	0.7575689	0,63469505	0.9596533	1214091	1.2089181	1.0930477 0	33334878	0.32858318	0.58464247	0.6351358	0.79267615	0.47077563 (7.74668804 (.90358865
Phase-1 RCT-10	1,3013035	0.85510886	1.0911709	1.0055141	1.0422574	1.0646402	0.3706359	0.28713322	0.3866665	1,0193914	0.4246634 (0.41264018	1.0273541	0.7021677
Appa-2-microglobulin	1.1867441	1.1275846	1.0181352	0.89443666	0.8716299	1.6451012	0.4862323	0.21351078	0.563824	0.4618651	0.48280632	0.6152695 (72438234	0.5728859
Dynamin-1 (D100)	0.95929235	0.83725554	0.9052832	1.2538071	1.163684	1.1301312	0.562115	0.551655	0.50925463	0.80685467	0.91360883	750103817	0.9069206	0.7402728
Lysyl cyddase	1.0345436	0.96292987	0.8119967	1224237	1.4905463	1.540/35	1.0503038	4 3630444	4 2574004	0 R353903	1 2204878	169612515	1 1911497	81532687
Phase-1 RCT-252	0.63283825	1 0632365	1 0459349	1 1106569	1 1728984	1 2556701	1 165078	0.98511297	1.1679825	1.1407611	1.3174345	1.1390843	1.109572	1,0336002
Dheed BCT.278	0.9054941	1 0023723	1.1699216	1.0505942	0.9800544	0.8084921	0.8582985	0.8756265	0.8420009	1,0389014	0.9430863	0.82338357	3,91383755 (.84517384
Phase-1 RCT-42	0.9933654	0.9625558	1.0479264	0.9101982	1,0495017	0.8378168	0.9582524	0.9719221	0.89308927	0.94374686	0.8678512	0.96773016	1.0763408	1,082301
Phase-1 RCT-25	0.87686708	0.9320611	1.0200825	1.0020809	38388016	1.0768589	0.7534965	0.6727066	0.7010722	0.9162012	0.9315551	0.80830336	0.9280133	0.8264075
Cytochrame P450 2C11	0.89845824	0.6625944	1,029068	1.152223	1.2047365	1.5518407	1,9283788	1.9627807	2.160963	3.634704	3.821403	336285	0.9276245	74109588
Phase-1 RCT-202	1.2892984	1,2037691	1.2401667	0.93247974 (0.97737277	1.0590807 0	0.49186495	0.39279765	0.6540458	0.87278515	0.8065297	0.7480783	0.84519106	0.7147625
Complement factor I (CFI)	1.1999593	1.1482853	1.354293	0.707025	0.8058707	0.8094149	0.6993452	0.65542156	0.886451	1.0439342	1.1246915	1.0619288	133130834	4 100220
Proliferating cell nuclear antigen gene	0.98920596	1.0091459	0.9085991	3036764	1.154817	1.3424358	1.218333	1.1/26304	1,18/31//	1.0491829	2,00000	1.114.3341	1 1000001	1.0332B21
Activating transcription factor 3	0.9528345	0.9989253	0.94601166	1.2127811	1.1242064	1.2143303	1 240245	1 2170962	1 173637	1 1720437	1 242579	1240816	0.9108803	0.9563864
Focal achesion knase (pp125FAK)	0.83911/35	19397890	0.08308337	4 0276419	6769590	0 98 56 71	0.560843	0.5658117	0.55670255	0.9430446	0.7342676 0.64	0.64086145	1,0281671	83383554
Dhane 1 DCT-203	0 8313458	10164447	0.9817814	1 0321873	12826095	1,1382173	12361267	1,7363065	1.0913278	1.9863364	2,0998757	2,8691275	3.82699096	0.9575716
Iron-responsive element-binding protein	1.1156142	1,0244161	1,0806064	0.9994935	0.8113191	36845514	0.6414047	0.53165674	0.67258686	0.78151923	0.4980847	0.46823794	0.79677624	0.6607793
MHC dass I antigen RT1.A1(f) atpha-chain	0.99796486	1.1783234	1.1231898	1.1453495	1.1601518	1.6179262	1.452018	12771279	1,4238466	1,9526731	1.8834743	26017783	12590507	1.8106252
Any sulfotransferase	0.8427229	0.9620256	1.589539	0.64845634	0.6254887	1.0975543	0.5789882	0.55078506	0.6269673	0.63186544	0.9421171	0.5799056	1,0354096	96756316
Phase-1 RCT-171	0.8863948	0.9322782	0.8043051	1.0549917	1.047105	1.1361195 0	0.81485635	0.8520212	0.8460841	0.8764432	0.8569381	0.7400583	0.3834735	0.96/523
Phase-1 RCT-83	0.96045357	0.8750098	0.88744843	0.76793385	3.86244814	31573685	1.0445007	1,0061041	0.9213933	1.3683814	1.0099759	122/1216	0.7528129	0.9/4323/
Phase-1 RCT-270	1.1587849	0.8684931	0.8844253	0.95977813	73392564	0.9525176 0	.38056248	0.30874893	0.4908581	0.90872586	0.37594736	0.29215226	0.8238319	0.50/1461
Colony-stimulating factor-1	1.0228156	1.0678982	1.1674466	0.68585217	762097	0.7292986	0.7310012	0.69040483	0.9377216	0.8953681	1.1305794	1.0300627	0.000000	0.704501
N-cadherin	0.7700651	0.8667339	0.8223072	1.002831	0.876924	0.80478793	1.1352608	1.1106676	12186/1/	1283001	1,522083	1.3324.320	4 mmakue	0430724
Phase-1 RCT-62	0.7733236	0.8384971	0.7561526	1,2029686	1.1467974	1.242692	0.592608	0.5168133	0.6134642	0.6327746	0.00111333	4 0070040	0.036200	00406446
Phase-1 RCT-22	0.7955966	1.017446	0.9110779	0.9958779	0.9298687	0.875822	1,620,000	4 000334	4 4030004	1.1133142	1 21 70605	1 1744331	0.8774751	0 9185972
AT-3	0.92765626	C.85231800	0.8310506	1,632/3030	1 1507595	1 4343034	4 004490	4 0540374	1 0813061	0 91278684	0 83 (50965	0.8734788	0.94050586	98613005
Mase-1 RC 1-18	0.00243000	0.007 70000	0.00/00304	4 4504042	1001154	1 1330512	RUSEAAOR	0 81625247	1 0960355	0.9285832	1,1748255	1.0117396	0.95114577	0,9128588
Phase-1 RCI-123	1 1690867	0.0174289	1 0302451	0 9300706	0.9414328	391971105	0.5487955	0.6259286	0.5998054	0.6734333	0.50149345	0.36451775	1.1074275	0.960933
Coultration atmosphericacion canellino		200				-								
Countries of the contries of t	0.8831985	0.8494519	0.8038296	1,0255846	0.7445184	0.7546983	0.50714403	0.51755637	0.6827451	0.6166876	0.47448	0.56979334	0.674835	0.6577696
Choose transmeter 2	0.8823441	1.1803335	0.91132486	1.107205	0.89752954	0.91967344	1.2971909	1.2692927	1.1019565	1.1603678	1.4050497	1.2493626	1.3164915	0.7785932
Military resistant protein-2	0.9618973	0.9805008	12441146	0,94004494	0.9327845	1,3215643	1.5792965	1,9698852	2.148354	6.017208	3,8472168	2.533758	0.9854019	1.1676592
Muldun resistant protein-1	0.95748365	1.0676801	12795751	0.913220616	0.9066082	1.3235102	1.654165	2,3355112	3.0554683	6.388136	5.6641407	2,9707975	1.0194755	1.2442843
Phosphatidylethanolanine-binding protein	1,2572047	1.1342717	1.1596877	1.0385869	1.0225997	1,3351918 (30072095	0.7966006	0.9890383	1.4302558	1 2807552	1,4343556	1.0604117	1.047569
Phase-1 RCT-180	0.88475966	1.0847899	1.273774	1.0843439	0.96538476	0.71002895	1.1841046	12478259	1,3025384	1,5031158	1,9234632	1.8026817	4 0496050	4 0771
Integrin beta-4	1.0740211	1.0913682	0.85392565	1.0373653	12357535	1.6114	1.3526949	12915464	12761999	1.03741	1,0175214	1.00337.00	4 6250702	2 008534
NADPH cytochrome P450 oxidoreductase	1,498453	1.7011019	2.5236025	1.0743057	1.164354	1 2071600	4 773-18-77	1.09/461	1 9709563	1 2656085	1 6328262	1 4603977	74598690	0.8275863
Wari	1.0023034	1,0003307	4 0796303	1.1240341	0.000000	55020436	0 9369726	0 83472035	0 9717869	0 63140005	0.6018537	12743945	12354819	1,4847387
Endogenous retroviral Sequence, 5, and 3, LTK	0.01114631	1.04 2.042	1.0787035	0.04123286	0.9020972	91664267	1 0085388	1 0895237	0.94854975	1.0555828	1.1372659	1.0569737	1.0028992	1.1536288
Plase-1 KC1-53	1 0068713	1 1263027	0.8517635	0 9460522	1.0193752	0.9903582	1,3408613	1.3828286	1.0203179	1.0202395	1.3678962	1,3439906	0.7950902	0.8664755
Photo. 1 PCT-240	0 9939922	1.0799085	0.8772104	0.957707	0.8039078	0.7754485	1.4947039	1,4187905	0.98964455	1.2611762	1.293867	1,3519654	1.2361711	1.478386
Osteoportin	1.0993035	1.2283897	1,5341511	0.8199865	0.852495	0.80757797	0.6675586	0.7241701	0.8349823	0.89721376	0.9454456	0.9817746	0.6316499	0.5282485
Organic anion transporting polypeptide 1	1.1062709	1.0011588	0.99924135	1.1885762	0.92704743	1.1904609 (3.92314625	0.85622525	1.1248945	0.70670485	0.59917223	0.6161718	1,3817836	1.2656335
Phase-1 RCT-241	0.9714294	1.4115382	1.0927584	1,2145305	1.4506385	1.0925705	6.381172	6.9669905	7.33333	4.838353	10.740194	1 200022	1 0061069	1.0011001
Tissue factor pathway inhibitor	1.1435896	1.0469139	0.9661094	0.9273361	1.1445111	1.1/2/83	1.3008844	1.21/3411	200007.1	20000	2000	200000	00010001	
Cyclin-dependent kinase 4 unibitor P2/kip1 (atternate	1 0150505	4 2392FGF	1 2235441	1 0894552	1 2397584	1.097322	1 92298	2.4149342	2.1244245	1.8354697	2.0044148	2.1975	1.206373	1,6226885
Phosophogose D	1.0057924	1.139464	0.84471726	0.95190376	2.6436822	1.2915254	1.35746	1.2322347	1.1510257	0.9708194	0.89822674	12365942	0.9492972	1.0588272
Phase-1 RCT-39	0,9144579	1.0568424	1.1561278	1.0188938	1.032314	0.9608234	2.0104663	1.8651608	1.3624818	2.5527413	2.6035318	3.7526221	0.97279125	1,300367
Phase-1 RCT-258	1,1652151	1.1084135	1.1145973	1.0870785	1.095752	0.9355767	1.1788228	1250168	1.3101702	13133414	1.8473325	1,3361515	1 2402025	1,0163007
Phase-1 RCT-113	0.853385	1.1541713	1.1939532	1,2006372	1,3769175	1.1506238	1.0716996	1.1353896	1,0/31083	1.495/81	1.5004422	4 424 6005	12133330	1.4100194
Adenine nucleotide translocator 1	0.9873047	1,2109746	4 700044	1 0908344	1 0436417	1 2616029	4 509483	4.9163413	4.805954	4.8176756	18.4275	20.817229	1,0378089	1,0690191
Milk Asset II antigon DT 1 B. 1 hots. their	0.95679075	1 4240277	0.7473931	1.050097	2.304769	2957215	0.9445169	0.9702276	0.73944	0.8055407	1,0530485	1.2686187	1,264002	2.7805927
ומונוס מספר וו מוואלפון ווו ויכרו הספר מיהיי	aran innay													

									100,000	, 000000	4 044 7000	1 SONO SAME	4 044 7000 4 0042400 0 00140075 0 92496333	82496333
Omeric antico Impercudae 3	0.85417356	0.9509718		1.1386496 0.6767932	0.8319373	_ 1	1.181572	1.2195657	-1	1202304	1.01	2007	SOUTH A STREET A ALCOHOLD A SEARCH	1 1540505
Oldanic Caudi nanapower o	4 2000 6232	A STRARDA	1 0129552		1 1278222 1 1439182	1.1801338	1,3126605	1.3411769	1.0358597	1.3518183	1.4//111	170/1/07	.000	3
Hypoxia-inducible factor 1 alpha	70000	1204072		0.0000744	0.0000744 0.0747764 0.8007747		4 1788386	1.5280037	1.4971082	1.3774172	1.4428957	1.9443498	1,4428957 1,9443498 1,1046436 1,1948143	1.1948143
Phase-1 RCT-43	1.0308323	1.2271686	7825810.1	0.9099741	10/1/07	0.000	, ,	4 4 865000	I_	0 8456555	0 8873305	0.9303668	0.8873225 0.9303668 0.8968393 0.94739455	.94739455
	1.0615119	12178372	0.8133441	0.8133441 0.9814718 0.9912095/ 0.8439142	0.891 ASS	0.0439142	1.001007.0	A SCHOOLEGE	1-	C842294	O R342587	0 6390433	0.8342587 0.6330433 0.8575673 0.69234324	.69234324
nase cytosofic	0.96279275 0.91032773	0.91032773		0.939088	0.939088 0.71012187 0.734180/	0.734180/	150000	0.43733337	ATTOCOM O TOCOTOTA	71,000	C305050	T GOORANS 7	A 6005462 A GONEAN37 1 2088795 1 1420548	1 1420548
	0.69961035 0.72504777	0.72504777	1.0768445	0.9493821	0.9493821 0.9868524 0.30461562	0.30461562	3,001	0.B/005134	1.4707230	200000	0.000000	0 75/528	0 75/578 1 0827797 0 90987908	90967908
	1 131817	1131817 1.0012103	1.0993268	1.3008734	1.3008734 1.1671093 1.4089049 0.5980087	1.4089049	0.5980087	0.47882652	0.6366661	C7#4CC	0.6368661 0.50334423 0.53330133	-11	105000 100000 0 000000 0 000000 0 000000 0 00000	10269244
Fusse-1 ru-103	ACTET 20 A		1 0300446 0 R2494116		0.9660452 0.88008505 1.1358508 0.9583612	1.1358508	0.9583612	1.0772805	1.104028	0.997001	0.850/845	1.09/01/0	20000000	1000000
en	0,007,19046		10357724		0 9249118 0 90461355	1 27214 0.50395346	50395346	0.36402673	0.36402673 0.65744597 0.86761296	3.86761296		0.72324526	0.8184285 0.72324526 0.664063/ 0.5990500	1000000
Calgranulin B	018/1/8/10	0.3004631	1.000112		0.0000000 4.0000000 4.0075474 0.0047151	1 0375171	0 9947151	0.9241742	0.9241742 0.92610073	1.7818252		1,542156	1,542156 0,94790757 0,84010216	94010216
Tissue plasminogen activator	0.93026847	- 1	-1	Τ	0.0001303 0.000000 0.0000000 0.0000000	00/0000	5051000R	0.60528886 0.66997206	0.66997206	0.8396912	0.8115684	0,8115684 0.74702644		0.9256781
Phase-1 RCT-195	1.2019813	- 1	-1	0.91/23/1	0.32324193	0.0303400	8059050	1.917.237 0.920.24 59 0.000.000.000 0.000.000.000 0.000.00	0.5910113	1.1415094	0.90704628	1.1220372	0.93404704	1.2421266
Liver fatty acid binding protein	1.3139386	٦	_1	7.28/330	0.807 104.00	900000000	O ERESETT	O 48EEDS	0 79533136	0.9950704	1,0803594 0,89133894	0.89133894	0.8685601	0.7087855
Alcha-1 microstobulin/bikunin precursor (Ambp)	1.1522961	1.018147	ᆚ	1,1C12U2.0	10:502151 0:326360 0:31634361 0:31634361	201000	4 200000	1. 55.34.77	4 95 94 477 4 4974897 0 907648	O SOZEAR	0.8153696 0.86894065	0.86894065	0.9673918	0.9788305
Phase-1 RCT-294	0.91363966 0.90847987	0.90847987	_1	1.0152949	1.11/8249	1.11/8249 1.40/6/16		0.7478460	0 7810922	1.1819122	1,1768075 1,1385784	1.1385784	0.8228207	0,8456069
Phase-1 RCT-151	0.9588433	0.9588433 0.89133114	- 1	CCG LOS.O	0.0015/82 0.005/00	0.0000		1200000	1 SUSTRICK 1 ACK 1 GOT D GEORGAG	O GEORGIA	0 R39R817 0.R297919	0.8297919	0.9583955	1,088921
Phase-1 RCT-158	1.0482938	1.0482938 1.0919679	0.8407727	1.3267565	1.4191151	JESSET L		4 4477548	0 0522474 4 4702023	1 1702023	1 0630688	1.0842638	1,0972105	12254709
Phase-1 RCT-221	0.98695654 1.0090134	1,0090134	1.1305184	1.1305184 0.87795676	0.9119122	U./612242	0.000000	1,000,0	0.000000	4 400444	1 100444 1 0721369 0 97560346		0.98187363	1.1196438
Phace-1 RCT-235	0,82238644	1.105396	0,82238644 1,1053865 1,1778795 0.8541992 0,84768236 0,85541856	0.8541992	0.84768236	0,85541856	-	1,00043		77,406,776	4 2000000 0 72485775 0 85348805 0 7445784		13500048	1,1609321
Outside broncher 3	0.9101939	0.96011895	0 9101939 0 96011895 0 80730534	1.151909	1.151909 0.8906627 1.8443311	1.6443311	1.24/4333	1,0946316		0,12403170	2000	7 5507044	4 550773	2 4 AERO1A
Casaca adisposes o	A 04.000AA	one/ene	A 84322777 0,95398813 0.88935184	1 0106953	0.94322777	0.95396813	0.88935184	10111585		1.4351726	1.1912407 1.4351726 2.035382	1.3397044		2.1000
Marrix metalloprotenase-1	*10000 O'O	20000	4 4705244	4 470C244 A 0E20C20E A 04526B271 A 9205329 D 59432524	0.04526833	0 9305329	0 59432524	0.73286575		0.8356442	0.6525193 0.8356442 0.88716348 0.7241875	0.7241875		00001000
Urinary protein 2 precursor	1.6610738	ŀ	- 1	0.00000	4 0000000	1730000	A 043232d	O PROPETERS		0.9327826 0.86228055 0.88366354	0.88366354	0.8862546	0.8862546 0.95737773	0.865335
Phase-1 RCT-212	1.1306477	1.1306477 0.99458015	1,089/845	1.0055264	1.0050204 1.00001 83 0.50001	חשבתכחו	200							
								Ī						
(1) Gene expression data for 6 hour timepoint are						-								
presented as mean ratio of treatment/control for all 6											•			
hour predictive genes (Table 18).														
(2) Compound and dose abbreviations as in Table 1.	_													
(3) Individual animal number														
(4) Liver inflammation dessification for compound-														_
dose group at 72 h; yes-necr, necrosis observed; yes-														
both, necrosis with inflammation observed; no. no														
histopathology observed														
(5) Predictive gene (as in Table 18 and as included in														
(auto co)														

Table 28. Expression Data for 6 Hour Timepoint (1)														
Comment Days (3)	20 SOFTION	DHOS 100	CPHOS 100	CPHOS 100	CVCA 20	CYCA 20	CYCA 20	CYCA 88	CYCA 80	CYCA 80	DEXB	DEX 8	DEX8	DEX 30
Animal Number (3)	2143	2151 2152	2152	2153	2	22	ន	5	32	33	1345	1342	1343	1351
Liver Toxicity Inflammation Classification (4)		و			_	-		_	5	2	2	2	2	9
Gene Name (5)						-	1.000001	, 0.000	, 075074	4 (7)	0.0501070	4 4 405500	1 1350757	* CABEOOS
Insufin-like growth factor binding protein 1	1.086005	4 0627003	1.2253555	4 007254	1.3658732	1.502//50	1 24426ng	1.0/00324	1 1062808	1 277 1786	1 2676193	14142634	1.6155117	1.1178005
Gaddibs	1 5797385	1 2305878	1 280541	1,1258637	1.1840752 (0.84476936	1.0837215	1,0686601	1.1365833	1.0419921	1.1998042	1.4852221	1.6397022	1.2892656
MPK	1.1998578	1,1156201	1.1094444	1,2279603	1.0853899	3.95376974	0.8763466	0.9903206	0.96199274	0.9074218	0.708931	0.74878573	0.8138657	0.7794031
Cathepsin L, sequence 2	0.7994248	2.175082	1.3696542	2.2591949	1.2628828	1.5413916	1.808275	1.6041257	1.6025063	1.9211249	0.93830025	0.8948634	91915214	1.0548416
Heme oxygenase	0.95276296	1.0892235	1.5192341	2.1460571	1.2912078	1.7650267	1.7054217	1.1714281	1,4153603	1.5/25106	4 4542435	4 2444043	4 423004	1 2200013
Phase-1 RCT-109	1.232109	1,606749	1.1282215	1.6901292	1.4239000	1.0100628	7244464	1.2012439	1.0000189	4 2065485	4 4 13 7 33	1 0224185	1 0759653	1 014309
Phase-1 RCT-111	1.2648435	1.3625948	1,427(0885	20141005	1.150441	0.0447746	0 0075778	0 9207423	0 690953	08176806	10504791	0.8346627	0 9890683	1.8101395
Argininosuccinate lyase	1,5341457	73476365	1.4300000	0 7665753	0.0453013	1 109695	0 88063475	1 1402192	1.1682669	1 1222135	1,1305783	1.0802728	1.0945216	1,0931815
Diviso 4 DCT 403	1 1910741	1 3025428	1 3473636	1 3939061	11130981	1.339665	1.3866854	1,1917157	1.1551021	12498622	1.1094466	1.0738499	1.0910774	0.9754274
Ribosomal protein S9	0.618932	0.8194764	0.67029977	0,9600851	0.9922133	1.4847287	1.3423771	2.0156808	1.4721861	1.3791878	1.1723328	1.2770654	1.2011923	1.2172947
Phase-1 RCT-114	1.141499	0.93043476	0.87612665	0.86425894	1.081962	1.1207169	0.9820787	0.9402404	1.0285277	1,0668583	1,4048164	1.3933581	1.5053474	1.9024369
Phase-1 RCT-15	1,3648192	1.4216772	12252609	1.8802882	0.97497976	1,2182475	12366718	1.1572878	1.0976168	1,3326694	1.0463127	0.89691895	0.899007	1.4741883
Macrophage inflammatory protein-2 alpha	0.9662155	1,8975656	1.4923637	1.81745	1.1189542	1,6698467	1.3748304	1,5260947	2,3906202	2.145872	1.2837749	1.3842411	1,813666	1.3204743
NGF-inducible anti-proliferative putative secreted		0,000,00	3770000	0.00000	3000000000		_	C 82000053	0 8257265	0 8228612	1.0475305	0.8079878	0.854574	0.88090956
protein (PC3)	0.75/734/	0.6162016	4 9074095	4 6006000	4 2404044	0.0537303	0.7760770	0 9248824	1 0825875	0 9794379	1 2650518	10539668		1,6555675
Pridson RCI-181	4 4330500	4 2228/80	4 9847775	4 3605395	4 8145573	_	1.1630223	1 2851647	1 2786711	1,3161339	1,3277495	1.5619116	1,3195839	1.1757402
FIRST NOT SO	0 0452484	1 0454543	0.824949	1 2278924	1 242057	1 598238	1,534539	1 200168	1.4163213	1,582292	0.8845426	1.1960592	0.8931083	0.8286088
Obere 4 DOT-408	1 1487452	1 3159002	1 4000332	1 3821108	1 0940012	13714831	1.3019214	1.0674562	1,1024394	1.183934	1.0427574	1.03776	0.96709883	1.0367292
Disse Dortes	0 9569343	0.46804294	0.48376888	0.49051148	0.8873862	1=	0.97949374	1.0846391	0.9927687	1.1157898	0.6474903	0.42072177	0.5789951	0.47141153
Phase-1 RCT-192	0.7564621	0.86702067	0.7514841	1.1624231	1,4574836	1.4227344	1.167298	1.021721	1.1538043	1.241656	0.8807747	0,7933118	1,5777296	0.9837075
Phase-1 RCT-75	1.2245024	1,0161562	1.1273503	1.095369	1.0168229	1.0215611	1.0415287	1.0132331	1.0354784	0.92537016	1,0288439	1.0893854	1,0606279	3,87366086
Acetyl-CoA carboxylase	1.0908287	0.8337498	0.8834515	0.84162074	0.9767702	0.950153	0.9375011	1,0507295	1.0813622	1,0380164	1.0907692		0.93140775	1.0753624
Phase-1 RCT-95	1.1625768	1.2684954	1,3211199	1.3751668	1,1835008	1,2983075	1,3288008	1.0145338	1.03/7055	1.183858	1.0332999	0.0071512	0.022758	A ROOF7124
Cyclatin C	0.944388	0.7933037	0.94150856	100/8896	1.061//32	1.1330147	1.162/609	1 2300420	1 236246	1 1589782	0 9014867	0.85267913	0.87256414	1,1160021
Phase-1 KC1-49	1 0603755	0.6360763	0.6818636	10573547	0.8770622	1.031445	1,348072	0.996568	1,8189723	1.0633334	1.1943313	0.9671531	1,0633253	1.0239973
Gardes	1.5678291	1.4900218	1.4199187	1.8735077	1.3334124	1.0859015	1,0681955	1,0056016	1.2379446	1.1710308	2.0514271	3.5367138	2,8699548	2.092824
Phase-1 RCT-156	1.157174	1.2878752	1.3242923	1.3890914	1.1266472	1.2729598	1.2767326	1.0496461	1.0312539	1.1309888	1.0130591		0.9738727	3,96204495
Coffin	0.7290854	0.69061553	0.7335169	0.649578	0.87178224	1.0083987	0.98805215	1.0449038	0.8192608	1.1762862	0.8339909	0.7992973	3 0.76409686	1.0973856
Phase-1 RCT-127	1.1599785	1.0408914	1.003346	1.0392346	0.9632683	1.3328681	1.4026546	0.99534756	1.3650078	1 2906947	1,1783849	1 3500570	1.045046	1 0310795
Macrophage inflammatory protein-1 alpha	1.7150396	1.0700101	1,3797919	1.0195/52	1.0115338	0.78662807	4 2272450	1.090504	0.651912	0.9734973	70707777	0.8073008	0.8154201	1 0725034
Zinc finger protein	0.82093984	0.8739849	1.05/1684	0 04/90046	0.74555464	0.8367233	0 R9517784	0.87946683	0.8266149	0.9943274	0.96803814	0.9378202	0.85840803	0.94933885
Citamine puritation	0.87068025	0.47582483	0.6574614	0.8403165	1.1767477	1.3342221	1.4024062	1.7561529	1.3998247	1,3604645	1,1391616	1.167084	0.92793673	1,1994969
Cab-binding protein	0.6300583	0.65654135	0.57627714	0.6627492	1.0005138	1.3059664	1.3145951	1,1054826	1.0395092	1.171393	0.77741575	0.734317	0.747693	0.5953353
Phase-1 RCT-242	1.4243038	1.2582949	1,2363948	1.2231609	0.93395567	0.94755036	0.9666293	0.9184537	0.9891263	0.97702855	1.2481409	1.2973025	1.3919817	1381328
Phase-1 RCT-50	0.8181895	1.0559547	0.9538594	1.1368606	1.1796147	0.96411395	0.9935789	0.9356622	1.0353138	1,0311953	1.0012553	1.1225268	1.133866	1.1998295
Flongation factor-1 alpha	0.70340675	1.0409058	0.9001384	1.1790899	1.05/0681	1,2882309	1.2006948	1.2042097	1.3330120	1 4490657	1.0020003	1 3099735	1 4763737	1 2379732
Integrin Detail	1.1215075	4 449402	4 2132139	4 2670302	1 3771694	1313932	1290121	1.5525892	1.2597723	1.217415	0,86389065	1,0175732	1,0955516	1.1919459
Phase-1 RCT-59	1.0679643	1.1846848	1,2377837	1,5810862	1.0025473	1.1281986	1.0807378	1.1163602	1.145961	0.8559114	1.137144	1.2653494	1.1582404	1.620731
Phase-1 RCT-76	1.1277822	1.3179508	1,4550163	1.393394	1.19115	1,4408635	1.410367	1.2435436	1,2366388	13772589	2.1066334	2.0709503	1.9158683	1.2941688
Ferriin H-chain	1,3000276	2,3920352	1.6393383	1.9972931	0.75637245	0.91989255	0.9576925	1.0956482	0.7133642	1,0063157	1.102701	1.0742872	0.9369315	0.9607744
Selenoprotein P	0.63784593	0.81850564	0.7920033	0.8323217	0.9241233	0.7942834	0.8308621	0.9289439	0.59481734	0.94121456	0.758014	0.68461204	0.6426747	0.58100444
PTENMMACI	0.88332534	1.129009	0.970295	0.91460496	1.2157928	1.061669	1.0263054	1.314017	1.111955	1,0051999	0.9513802	1.21/3043	0 7040743	0.6956664
Phase-1 RCT-214	0.86252856	0.7405044	0.7018666	0.6654378	0.89593804	0.9440229	0.8855812	0.9/5/139/	0.78428383	0.74268353	0.86777764	1 1171975	1 2000902	0.9912169
Phase-1 RCT-112	1.3200138	1.0384502	1.1203982	1 0224445	4 0200363	0.77404375	0.8373423	1 080214	0.75475	0.92965955	0.672777	0.8202269	0.71413265	0,67350507
Inymuyate sylinase	0 6488344	0.7904748	0.6465553	0,6802013	0.78219926	7.146516	3.6587672	1,6302555	2.7986171	0.87619734	0.8237281	0.9249601	1,0601746	1.1876016
Nickersome assembly protein	0.59122485	0.5295967	0.73322695	0.90419424	0.80183697	0.62313926	0.6522236	0.80564946	0.7347529	0.64612484	0.7220354	0.687533	0.78149104	0.7188268
Cholesterol 7-alpha-hydroxylase (P450 VII)	0.75025594	0.7788107	0.8876715	0.93503225	0.9215853	0.67084394	0.7187531	0.8200423	0.7330146	0.7024047	0.7875821	0.94256884	0.8550745	0.71050835
Vestcular monoantine transporter (VMAT)	1.6171608	1,0101476	1.2132521	1.1349757	0.61867124	0.8773361	0.94371465	0.81078585	0.8555527	0.8174016	0.72221416	0.7979784	1 27/2485	4 4067203
Phase-1 RCT-260	1.3075374	0.97642136	1.0363853	0.8870794	0.88804823	0.78798151	0.83620081	0.6235234	0.71813941	0.71918393	1, veneral	0.3001334	142921242	1,1001634

				1	4 0004004	4 20240001	0 00502171	4 D245735	1 2124034	1 289627	84132636	0.8658117	1.2387853	1.5780932
Phase-1 RCT-32	1 5225046	0.8940812 6.4300673	1 2519189	1.191 1007	13467733	12074499	1.1045846	1,2193531	1.3925399	1.2573432	1.1299223	1.1812778	12121663	1.0295517
Peroxisome assembly factor 1	3323040	1.4200073	12313103	0 05853408	1 0740162	10395677	96924436	0.998879	1.0761906	0.89631155	0.84190154	0.91532284	0.8821058 0	92256826
8-cooptanine DNA glycosylase	1,32,10435	0.0003355	4 0021BGB	0 88224676	0.96153104	0.89376545	.88647944	3.84194994	.84680843	0.7814538	1.0922055	1.1130445	1.142924	0.9786873
Phase-1 RCT-82	1.142/210	4 0747219	1 1532036	0 99124146	230	0.81583047	1.1858779	0.9605946	0.7610085	0.7555623	1.0407863	1.0658776	1,0724505	0.7157832
Matin F/G	1 0073862	0.6783432	0.86354788	0.8988791	1,0086985	1.0077202	1.0350258	911519	0.8504975	0.9707692	0.9391322	0.8572778	0.8058001	0.8001023
Prase-1 RCI-104	0.646455	0,71391577	0.59920204	0.51447725	0.83732414	0.8988438	0.9681823 (0.93058974	0.8179372	0.9493972	0.8540679	0.78762283	7,6210487	0.00010
Prese-1 PCT-119	0.91775626	0.9998294	1.1084354	042591	374739	0.92178017	1,0017986	0.9807099	0.821719	0.78415567	0.8754526	1.1518507	1.1723303	94853604
Carbonic aphydrase II	1.108576	0.5240506	1,220245	892716	0.64838957	0.46845484	0.7052943		0.7917815	1/51650	720472	70854490	ERSONES	0 7685609
Tryptophan hydroxylase	0.94930154	0.758134	1.0477817	0.97426426	0.6806992	1,0130588	0.9704405	1 0433000	1 170251	1 04069551	13495172	1.2126992	1.4044182	1,7031835
Phase-1 RCT-71	0.98412395	1.1053451	12155167	1.1119555	1.1681427	1,1653315	1 4292796	1 7407955	1 9883666	1,7229999	0.98729146	0.951387	0.93259656	1.413844
Phase-1 RCT-179	0.600083	0.8274637	0./0////4	73500577	1.10/8301	0.41213134	0.5094573	0.7814521	0.64448	0.61186314	1.0538521	0.93473417	1 0	.79285765
Phase-1 RCT-161	1.494901/	0.01433000	4 2000607	4 4803665	4 4 1 5 4 2 3 9	1 1237066	1 3242997	1.0974792	1,2349092	0.98616636	1.3837559	1,3576558	1.3743293	2.2989964
Phase-1 RCT-207	1,315/318	1/200/21	1.3000037	1 0548496	13602147	1 5189047	12960958	121975	2.1631913	1.641503	1.2642703	1.1573822	1.2043765	1.7358122
Phase-1 RCT-144	1,0100/0/	0.70636304	78408524	0.6127531	1 3494039	1 4222478	1.3610284	0.802034	0.794386	0.9515151	1.0830187	1.0209763	0,85533625 (94635457
Phase-1 RCT-225	0.500050	O KRAZBAGE	0 50547R1	0.8424572	0.8442712	0.86274695	0.9585818	0.9210291	1.1101815	0.6958855	0.7820702	1.0882152	1,0545316	0.7129645
Cytochrome P450 ZE1	1 858492	0 9822518	1 1492193	0.8987945	12017941	1.0905391	0.9930104	1,029898	1.3377413	1.183672	029364	1.0997725	1.0882101	0.8623245
Thismography (Text)	0.83506154	0.993747	0.86539125	0.8606149	0.99305785	1.1818565	1.234687	1.1662415	13173422	1.3170868	0.85636145	0.83442605	0.86342126	U.Seun.zes
Carboir aphylasa III	0.91989374	0.12892455	0.25660625	0.16238119	0.4942864	0.15160146	0.3387672	8	0.14763417	0.32668412	0.5/3/2050	4 4979007	4 4511006	4 1000737
Phace-1 RCT-140	0.9861143	0.974722	1.0555718	0.93054533	1.094286	1.1106567	1.0336136	0.99688114	0.949104	1 0000001	1.345/338	0.00000	78731000	1 6692497
Complement component C3	0.68529123	0.6986374	0.6547965	0.597199	0.8871017	1.368949	1.3074298	3	1.2431998	1.3236004	0.7206574	0.9353420	0.7566172	0.6425842
Gucokinase	2.2650378	0.479833	1.1305695	0.58906245	1.6630741	0.9114418	1.250/352	0.99702895	0.02302/30	0.74001304	4 0477757	1 0267015	0.9898535	12216451
Phase-1 RCT-173	1.476466	1.075616	1.284328	0.98028636	0.9697111	0.8733735	1.185/42/	0.9740945	0.313/313	0.8608773	1 105397	1 0517441	1.0574143	1,0921285
3-methyladenine DNA glycosylase	1,310243	0.9635718	1.1664268	1.0833708	1.086504	0.9051355	0.98974623	0.5022930	4 0230238	1004341	1 1097003	1 0005999	1,026173	1 2851489
Peroxisornal multifunctional enzyme type II	0.636024	0.8805089	0.69120383	0.92966443	1.0438043	1.101//18	7.0742905	1.1232473	0 6567134	0 7676137	0.9464196	0.8992323	0.7824384	0.5945833
Phase-1 RCT-40	0.65954024	0.6625125	0.6895482	0.5673148	0.82379454	0.7740305	0.003447677	0.0212034	1 1559547	0.7006141	0.52759254	0.5153432	0.62715656	0.4328918
Senescence marker protein-30	0.5463171	0.3505011	0.30408594	1,5007453	4 5839807	1 2849181	1 2373999	1.1067655	1,333024	1,5311562	1.8598254	1,4008944	2.0356812	1,6186402
Cyclin G	0.0003540	0.0707470	0.8676786	0.8841678	1,1790683	1 2803015	0.5605118	0.8976139	1.1357034	1.3080673	0,9766037	0.8934295	0.8713636	1.0901451
Melanoma-associated antigen Mr491	1.050478	0 912296	0.7611133	0.9112077	0.9259748	0.9420817	0.8595179	0.95563406	1.019137	0.85337484	0.84311384	0.88910854	0.779627	3 96408546
Emedo	0.83432305	1.0761061	1,0185053	1.05902	1.0450086	1.0233744	0.9121569	1.013781	1	0.8785525	0.8508336	0.9/43011	AZ0284074	40463632
Alcohol dehydrogenase 1	0.82161784	0.8223734	0.52773976	0,6719592	0.778714	1,0733358	1.3868822	1.1541663	101/2011	1,61602/5	0.50203003	0 5178375	0.6315113	0.5488306
Stem cell factor	0,7097413	0.45667776	0,5466166	0.5858542	0.8795533	0.9902129	4 6306304	1 7/00/492	1 426941	1 5641458	1.4825094	1,3280374	1,804769	1,5104975
JNK1 stress activated protein kinase	0.729899	1.0388328	0.8536918	0.97665524	4 0500303	10261671	0 8036058	0 94808793	1.0412375	0.7289101	0.9435271	0.7894416	0.9773383	0.9587758
Protein lynosine phosphatase alpha	1.1941772	1,002,5588	1 2771055	1 1777554	0.90976876	0.94015074	1.0778093	0.9223744	1.0828518	0.875153	1.3644245	1.3198231	1.265233	12543198
Phase-1 RCT-55	1,00/8/11	0.003078	0 00071357	1 0861177	1.0265228	1,6217974	1,4206741	1.8214389	1.5250822	1.6920667	1.3024272	1.3462974	13540735	1.6043805
Ubiquitin conjugating enzyme (KAD 6 normogue)	0.7057418	0.7260371	0.674491	0.66491514	0.9285183	1.4486314	1.4512296	1.1604326	1,2616745	1.2975012	0.88121078	0.97199667	0.92828137	0.70380056
Obered OCT 280	0.87039846	0.8787721	0.84716094	0.8787558	0.9135633	0.844517	0.8335333	1.0113076	0.7665545	0.8996672	0.92478496	0.6115/625	4 3400779	1 0462449
Smemuride dismutase Mn	1,0823966	1,2765156	1.0854034	1.2015598	1.3657142	1.5930569	1.8564385	1.6509271	3.5769284	2,359766	1.0458444	1.1/63563	0 94667096	13430926
Beta-tubulin, class 1	1.4226933	1.0363526	1,0280998	0.9383087	1.0093101	1.4135209	0.9034575	0.9851387	1.11592.52	0.782/4924	1 0064967	1.8698651	1,6563413	0.9789738
Carbarryl phosphate synthetase i	0.70760435	1.0196278	1.1845397	1.1805753	0.502954	0.7327/834	1,0081462	1 2558833	1 3895997	1 0850159	0.8306624	0.92399335	0.8228907	0.8772385
Diacylglycerol kinase zeta	1.0572102	1,017746	0.8014446	1 345544	1 7356246	3 1287632	2 9601212	2 1382883	2,9801471	3.1820276	0.9304565	0.98021764	1.004453	1.0782341
Phase-1 RCT-143	0.792/0/	4 3564543	1 2397512	14723117	1.0915642	1.0659643	1.0202637	1.1445826	1.1136858	1,0505913	1.167013	1.3180228	1.445074	12844984
14-3-3 zera	1,770277	0.9166034	1.0548644	1.1098933	0.8559344	1.1772919	1.3830668	0.9963456	1.7347944	1.001	13071884	1.2535672	123/31/	1 4814912
Ribosomal criterin L 13A	1.2156801	2.020708	1,1460273	1.6821706	1.5412277	1.8160518	1.7179817	2 3402135	2.235569	1,8361284	1,282/323	4 4023074	1 1672125	1 207 28 55
IkB-a	0.8524656	0.9995996	1.0478123	1,0482745	1.0270636	1.4298968	1 2388/13	1.3021822	1.4953034	0 R274743	1 0342023	1 1050642	1.1462489	1,3272464
Phase-1 RCT-65	1.7493815	1.3491628	1,4387356	1,3280704	0.88509786	4 0064754	4 4 205487	0.788800	1 1768805	1 1322987	1 1203958	1,5576555	1.8653525	1.5094707
odun	2.2498882	1.5425799	1.8548172	2,210535	1.1800300	1 0501.34	0 97549293	0.9950206	0.8826702	1.0719081	0.948579	1,032105	0.9339993	1,2026467
Protein O-mannosyltransferase 1 (Pornt1)	1.3841608	1.5890355	1.0020040	1 3010964	0 94695747	1.1871002	1.2142426	1.1568855	1.0657507	1.124024	1.049766	1,0887352	1.1139389	0.936699
HMG CoA reductase	1 2503028	1,159125	1.0494356	12275349	1.0949218	1.1773819	0.95195657	0.9557878	1,1467974	0.98148364	1.162594	0.9627674	1.0790242	1.1498184
Interferon related developmental regulator IFRD1					DC0F9CV F	4 4843405	1 2000716	1 3141092	13790201	12410325	0.86151177	0.8937532	0.8694944	1.0676143
(PC4)	0.791119	1.120/484	0.500365	0.76224667	2 0915982	3.0012345	2.1659932	3.4458823	2.5553815	2.7555976	0.9638104	1.1488938	1,2393564	1.1766461
Glucose-regulated protein /8	0.7430214	0.7348112	0.6745015	0.7038327	0.4880432	0.5953647	1.1849707	1.2546198	0.9705944	1,0345578	0.9492603	0.8169687	0.7763053	0.94295645
S-beta-hydroxystaroid benydrogenase (mapse)	1,0309988	1.346237	1.1530007	1.2345183	1.1349472	1.0082724	0.9897853	1.0017357	0.9876387	1.0481861	1.1000617	1.4060401	1,382/350	1.1101432
Phase-1 RCT-169	1.3507943	1,0017965	1.2806185	0.9413649	0.9545679	0.754987	0.844219	0.9421971	0.78181913	4 0045284	1.0533/5 A 80875/4	0.1383440	0.0073995	0.98473847
Phase-1 RCT-197	0.9800899	0.9506702	0.96763394	1.1544585	1.113861	1.1211852	1.2700075	0.99/1619/ 0.99/1619/	1,1333636	0.6622958	0.9864492	1.0880926	1.1605731	1.0266217
Phase-1 RCT-34	1.327273	1.026132	1.0646018	0.77224004	0.7367500	U./ UUSra	0.1000121	7.1 00000	2.0 00,000					

									20000	1 1200100	10000000	10001001	1004000	4 40473463
Phase-1 RCT-72	1.1775148	0.90421224	12450476	0.9836636	0.930736	0.871094 0	.88568974	0.882441	182140595	4 33430714	1.1128618	0 06140033	0 9030426	1.104/310
Pyruvate kinase, muscle	1,094/062	12/24020	1.19/0/02	1.0223040	CENBORED O	66652113	0 9556749	RARRAGOA	0.5814014	0.73303324	0.8798788	0.82923734	0.84165895	0.754511
Phase-1 KCI-288	1 501007	1 0850548	1 3009338	1 0677824	0.9830196	7,78099924	0.8932062	0.8676778	0.8969924	0.8008804	1,034347	1.1307698	1.2045144	1,0471683
Canadama DAEO 2030 Jollemate dans 2)	0.49004617	0.7434657	0.6618376	0.8399526	0.524011	1.4968578	0.538632	0.8112095	0.69610673	0.6767565	0,4946185	0.5157456	0.38107356	33968672
Phoen, RCT.290	1 2001129	12783903	1,3020499	1.2668922 (3.68402314	1.0945112	1.5216583	1.4639769	1.2645109	1.285238	3.7936568	3,9912112	3,737788	3.3147647
Phase-1 RCT-261	0.86871225	0.9001329	0.7811614	0.82267326	56	1.099326	1.1128162	1.0501728	1.0719348	12479833	1.0290228	1.0042456	0.97463363	0.896794
Methylacy-CoA racemase alpha	0.6462023	0.6643156	0.6241026	0.7391725	0.793802	1341367	0.8080675	1.0758433	0.7879705	0.91722835	0.9264293	0.8129365	0.7894981	644763043
Cytochrame P450 1A2	0.93343884	1,0354987	1.1541384	0.9522684	1.1901003 0.8	538624	0.8827773	0.8995994	1.1499684	0.8306128	1.06266/5	1,30001	4 0400476	4 052224
Phase-1 RCT-297	2.173238	0.83642703	1.1907717	0.886803	1.1530432	0.9875862	1.2660506	30990996	4 4243522	1.36/6325 1.1785746	1.1335/3	1.0040233	1 27017.20	1.3150407
Monoamine oxidase B	0.74549943	0.94531053	0.7542961	0.8389301	0.7225/215	7020700	1.300022	1.2323204 0 704 2084	0.4548733	0 5845138	1 0074131	0.89726704	0.8585979	68483426
Phase-1 RCT-264	0.56452507	0.5124559	0.39244416	10102000	516	0.000/0000	1 2254982	1 0430031	1 0377584	1.1668606	0.68614066	0.85511446	0.7438429	0.5281569
Peroxisome proliferator activated receptor garrina	1.1803654	1,0/45051	3.0044345	10000	0.0312013	5	0 07543402	4 04 20 4 87	O B4541285	0 98765R34	0 96231943	0.8704185	0 83858718	0.8863715
Phase-1 RCT-143	0.6395611	0.7122528	0.8073692	1 3803260	4 4000203	1 1 1 3 8 4 4 7	1 0721445	0.9468606	0.97453433	0.8960406	1.1307096	1.1768186	1.0193617	1.6001987
Phase-1 RCT-251	0.6807913	4 040913/3	1000000	1.000063	A 55708054	1 0409765	1.3512964	0.94140685	0.9285392	1.0965956	1.1862301	0.83523947	1,0496515	0.85003436
Mase-1 MCI-11/	4 250225	4 236683A	1 3300745	0 R7436056	91475207	0 7905885 (0.74523884	1.0124817	0.8686228	0.8677364	0.9780331	1,0998174	1.2486391	3,77890027
Cutathone s-transferase mera-1	0 07064005	4 0449033	1 0228481	1 1423843	0.9328963	1.0448877	1.0035632	0.95020115	0.86045843	79965880	1.0131706	1.1475933	1.1004683	0.938683
Pridsb-1 RCI-91	1 220357R	0 62052233	1.0808276	0.8419444	0.7757964	0.7964233	0.9754536	0.7878489	0.7736454	0.80533713	1,0641618	0.99293258	1,0479692	3,98222184
Disco 1 DCT 143	0 70110595	0 79325587	0.76097476	0.8943356	0.9247005	1.1279864	1.0622128	0.9680621	0.97434556	1.1142063	0.8047945	0.73436743	0.74932903	0.9401361
Adiaba secondar type (1 0881088	1.126493	0,99349874	0.9782022	1.0739388	1.0331719	1.2861736	1.002837	1.0506861	1.050097	1,2325909	1,4036249	1,3530539	3,96621984
Gydne methylransferase	2.0210562	1.3478174	2,0860116	1,4979753	0.6308956	0,89780164	1.2700384	0.87325484	0.816303	0.75348675	1.6179028	2.0683088	22775702	3.2652516
Phase-1 RCT-281	1.007756	1.122838	1.3716874	1.2755655	0.9250263	1.3470992	1.1242534	1.0990286	1.0937502	1.1479341	0.5652035	0.5/951033	0.4361/203	0,7346/30
Ciliary neurotrophic factor	0.7897724	0.9028446	0.77928764	0.94727415	1.0396867	1.0263141	1.0491691	1.036874	12522526	1,0322467	0.909032	0.24.53039	20CLCOOL	7,000,000
Gap junction mentbrane channel protein beta 1 (Gb1)			0,0000	, 2000	4 0056533	1 202000	2630070	SCOURT NO O	0 7073649 O 80804184	O ROBOR 1 RA	1 1113937	1 2295775	1 2887 405	0.7316972
	2.359621	1.39080/3	1.5673842	1.0030070	1.0030332	1 0407448	10106077	1 0343422	1 0486927	0.9498105	1 102/725	1.0123078	0.9470785	1,180618
Phase-1 RCI-96	1,2246510	0.70397473	0 6003160	0.78284746	1 2300744	1 2551234	1 16861161	0 9747023	1.0218469	1.15959	77666660	0.87089	0.9058751	0.8755269
Phase-1 KCI-26/	0.023103	0.657206	0 54946566	0 84901645	0 9902904	1,0074385	1.0857089	1,1115843	0.88504773	1.112769	0.8666797	0.68451464	0.69911873	0.8218531
Kando-binding protein (KBP)	0.2030/313	0.272770	0 67472307	0.89431417	0 90403384	1.083028	0.9460476	12057898	0.97204435	1.1095825	0.8476405	0.7938783	0.7597528	0.78962064
Very tong-chain acyn-Cox symmetase	0.34133034	0.15114321	0.9643011	0.8018927	1.0084637	1.3898203	1,23832	1.1538033	1.0526726	1,229769	1.115095	1.1377165	1.1644039	1,0454127
Cyalhoria	1 1712228	1.1066927	0.9875657	1.069224	1,1228085	0.91215414	0.7962466	0,93633896	0.99093014	0.93319255	0.92346007	0.8947827	1.0866635	1.1628674
Phase-1 RCT-145	0.8587824	1,0206181	0.8903667	1.0089774	1.1665773	1.2836294	1.23752	1.0652604	1.3353251	1.2720965	1.0727326	0.9834878	0.9332616	1,5715902
Axin	0.8537028	1.0263991	0.94188154	0.8332338	0.71713537	0.9170101	1.018455	0.86081415	0.8253155	0.9115824	0.95580477	1.0922482	1.0852534	0.8044337
Phase-1 RCT-89	0.8936262	1.0135607	0.90036166	0.75378555	0.6954878	0.74311954	1.1208444	0.9069364	0.5859379	0.8546956	1.038429	1	0.9258145	1.12833935
Sarcoplasmic reticulum calcium ATPase	1.0207125	0.9893088	1.166248	1.009637	0.9408268	0.7624447	0.83291453	1.2492818	1,2282479	0.9599108	1,0001818	anezen L	2200327	1,000
Alpha-2-macroglobulin, sequence 2	0.71256876	0.6843499	0.7752912	0.95700014	0,90991616	0.8879998	-	1.2552835	1.13250/9	1033/226	1.0766192	1.0200143	0.0000000	0.0056404
Phase-1 RCT-204	1.2180457	0.8704483	1.0070261	0.9389781	1.0618204	1.0114563	1.086424	0.9266055	0.94965414	0.94058	0.8442035	0.82818335	0.32328433	1 0567154
Vascular endothelial growth factor	1.0237138	0.9620567	1.6564871	1.7677528	1.1597348	1.1716535	1.360061	1,07594	0.94366/86	CO/LOOLE O	0.8244663	0.910007	0.11704413	1000
NADP-dependent isocitrate dehydrogenase, cytosolic	7,00077	A 80877089	n esubenes o 53020824	0.53020834	0 6779712	0.8631481	0.6888476	0.8170521	0,553668	0.684319	0.76261413	0.63969064	0,6665036	0.4897769
Data Lindian annial Labilities (DO	4 0047344	0.78104377	0 93885475	0.8599787	0.8876564	1.0010028	0.873099	1,2635958	1.0574596	1.0314559	0.81481135	1.1380373	1.110856	0.5836683
Citables Changes Va	1 0630837	1 2677442	0.85037326	0.42229632	0.54883924	0.64131624	0,78768647	0.7442984	0.707759	1.0359303	0.69416606	0.55867475	0.7298431	0.6712715
Enoyda hudralasa	1,1236644	1,1701748	1.0614656	183233	1.1430134	1.119891	0.7477368	1.2013011	1.2755243	1.0670031	1,1103778	1.189703	1,4720399	0.95053047
Insulin-like growth factor I	0.7911937	0.91334677	0.85768104	04 0.78234917	0.7874878	0.8653988	0.71923536	0.826845	0.6687334	0.74957037	0.7089221	0.7914183	0.6982882	0.5882362
Prostagtandin H synthase	1.3448416	1.2686145	1.0662894	1.3549691	1.3897929	0.6032767	5	1.0216533	1.0780953	0.7896358	0.66596429	0.747/55/	0.017.3031	0.00000000
Phase-1 RCT-136	0.80456215	0.73692644	0.9672375	320638	0.81886345	0.91607046	0.9502017	0.97099930	0.7303112	0.0504502	0.734381	0.70374453	0.74548774	0.7544635
Phase-1 RCT-137	0.54522353	0.5685282	0.5/63030	0.20412/0	0.030004074	0.937.30329	32.5	o anoquea	0.8969637	0.85759073	0 9221053	0.6985788	0.9430762	0.868632
Phase-1 RCI-138	0.91683743	0.7000000	0.837.2810	558817	0.64907753	0 89137214	6873	0.9579264	0.6601276	0,6758909	1.1375344	1.3218259	1,2969108	0.61825347
Hepatic lipase	0.72232	0.07 146220	0.00013	0.7865108	0 9156635	0.8526086	0.8410988	0.9578	0.7786245	0.77321553	0.81425446	0.70147234	0.7383644	0.7605725
And Cot dehydronoses medium chain	0 6336776	1.0128014	0.7017162	0.8004047	0.9485021	0.99871787	1.0020124	1.0176407	1.0052828	0.95326525	0.96448463	0.9685949	1,0028853	1.0219404
Gutathione S-transferase YD2 suburit	0.8423662	1.1144055	0.87705356	0.86162937	0.8472047	72554	0.8509799	0.8984789	0.62623787	0.8176119	1	0.9092267	1.0297107	0.9703281
Carbonyl reductase	0.975437	1,03115	1.1734799	1.0060152	12793	.0346199	0.95172554	1.210352	1.0179536	0.9469313	1,1038232	1.2494785	12641884	0.9245533
Phase-1 RCT-166	0.7052546	0.8276473	0.70582587	0.B17373	0.8923253	0.73383135	0.82088894	0.92746013	0.6245337	0.9620211	0.96972543	0.7849251	0.7644701	0.9023002
Apolipoprotein E	1,431219	1.4788877	2.5342777	1.3716111	0.73204553	0.9622415	1.0210444	12808447	0.9772041	0.8/94/536	0.81724400	0.76002693	0.0043238	0.0003020
UOP-gucuronosyltransferase	0.87581426	1,0591111	1,3681643	1,1913161	0.80794626	0.7326869	0.8584976	0.5800104	0.64201546	0.7/619594	1.0446320	0.7832303	0.052 10300	O TOGGGG
Gutathione 3-fransferase P1	1.0731521	1.0253077	0.95894694	0.9583598	0.8185258	0.75174326	0.8/690/6	4 7757000	4 2501320	4 6973058	0.97647605	4 0699257	1 0021837	0.8550948
Disuffide Isomerase related protein (ERp72)	0.92760223	1.1561148	0.9651211	0.85722884	1.8282162	2246322	1.3/31864	058/G/71	0.7775.0	0.0042830	2259990	0.95540595	0.90696764	0.8971372
Ribosomal prolein L.13	0.6340/185	0.80//248	0.5/55334	0.6000023	1.0964841	1.582781	1.6379296	2.4186935	1.6048867	1.8051534	0.7955413	0.86394686	0.84240085	0.7508687
Ceruopasami	0.45000500	1 2088153	1 200234	1 2032212	1.0253664	1,6303115	1,6675655	1,8245592	1.760974	1.8629397	0.8974731	1.0795137	1,0332974	0.8406971
ווואניישון וויים ודכמין ליי ווהמשוו ואווידין														

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												1.0000000	0 10000000	200000
Phase-1 RCT-3	1,1269445	0.93721277	0.80633926	0.84813213	3.99881023 0	0.94473773	0.8714945	0.9393978	0.9805091	0.8707756	36228816 76468076	70024402	90034305	1 3238077
Fetuin beta (Fetub)	0.87727195	0.8578234	0.8023675	1.0120362	0.7677092	1.0637587	1.108412/	1.5382922	75020844	0 8477777	1 MSR8442	0 9785899 0	97794425	0.9261465
3-hydroxyisobutyrate dehydrogenase	0.7669843	0.88236797	0.86000186	0.7824544	0.7752892	0.7430257	00000000	00042194	0 5777044	1 1590017	0 6758112	0 7105805	0.8063179	1,1525393
Carbonic anhydrase III, sequence 2	0.54763293	0,6726895	0.45829746	0.4318736	0.6852242	0.938348	0.327.3003	0.0010	1000000	7707544	O RRSSON	0 7978111	0 7972361	0.7693704
Phase-1 RCT-10	0.61126095	0.79577166	0.7882707	0.73209924	0.68575305	0.803525	0.7874907	0.3218011	O DESCRIPTION OF THE PERSON OF	4 9700570	4 0073740	0.0787230	0.8776547	1 1595947
Alpha-2-microclobulin	0.6685489	0.90618294	0.6703239	0.56651795	1.21842 (0.49510092	94902045	2330100	Tubususon I	0.7040010	7744264	0.7400345	79242915	94519845
Dwarin-1 (0100)	0.7666019	0.9318367	0.9680945	0.86267436	0.5732763 0.820	0.82066375	95496273	0.9746146	1,7,524b4	0.701024	100111	4 0000584	4 40854R1	95670444
Lyand oxidaes	0.9901396	0.77202064	0.9169965	0.7323969	1.0565314 (0.98215723	0.8651691	0.97335207	เอเลเล	0.70903	0000000	4 4574020	4 4238008	0.0471648
Dhase, 1 RCT, 252	0.65217525	0.9607326	1.0336118	1.1005492	0.5825152 (0.79806036	1.1170064	1.0283389	0.7951499	1,7805330b	03/30100	4 0636347	4 0334987	CO577446
Phase-1 RCT-29	1.0477169	0.9482981	0.8682097	1.0878001	1.11493	1.0222937	1.1263033	0.9668855	1,05427.30	1.0392330	0.0031044	B425038	0.8797MB	84934634
Phase-1 RCT-278	0.885229	0.8655241	0.978251	0.8308942	1.0702822	1.0577874	1.0496397	1.6268088	C0002/21	1,3493402	4 0300007	0.055806	0 9462965	1 2202501
Phase-1 RCT-42	0.90614176	0.990036	0.98304796	1.0104884	1.0419332	1.0288806	3,993,900,23	0.987.3491	21003077	0.1650140	1 220/734	4 1787682	12798227	1 2285923
Phase-1 RCT-25	0.8602505	0.86014134	0.96808875	1.0722079	0.82891476	1.1242917	1.1241485	0.998/8484	1.1150943	4 5470500	4 4652048	1 273107	1 3752709	10403166
Conchema P450 2C11	0.93428326	1.1640686	1.2548867	0.9133727	1.2400465	1.4892077	1.9636304	0.98/5051	1.1169//3	2007107	1.1002340	70045554	0 9630567	AC7574
Phase 1 RCT-202	0.7801524	0.87420005	0.8997965	0.86179054	0.9371442	0.978985	0.92776585	0.9870032	699000	1.1603444	4 0000046	4 0335348	0.00000	0 949142F
Complement factor I (CFI)	0.576648	0.649039	0.6575043	0.654261	0.72837675	0.92104465	0.97864187	1.1069914	0.8314949	0.9515610	1,0000040	4 9000044	CASTACA +	4 0005954
Online in order police pere	1.0787797	1.1503438	12173884	1.0609454	1.0504204	0.8805561	0.8833866	0.9836865	1.0815179	0.8121728	1.0752847	1,3000341	4 4 20 20 20 20 4	10000
Activation transmittion factor 3	1.4524212	1,4770133	1,4586717	1.0788481	0.97514606	1.0197465	1.2017199	0.9811202	0.9654024	0.9266/586	0.9532972	1 2200133	0.1333220	B2820453
Forest authorizen kinasa (mr.125FAK)	0.95336646	0.9175299	0.88319564	0.9239885	1.0660291	12521734	1.1561521	0.9804457	1.0525135	1,020121	0.62332310	0.3412440	74424005	0.0440518
Description of DCT, 280	0.99100304	0.8534488	0.76878184	0.8071061	0.76520336	0.9160388	0.9959451	0.9622987	0.8333545	0.89653436	0.80019.0	07700001	4 067033	O GRATOSA
Descend Portuge	1.130521	0.8419919	1,0300833	0.94072456	1.1278849	1.0492204	1.0110142	0.8940163	0.9025502	0.9965921	1.0654901	1,000000	1.00/035	4 4725344
Imprecometys element-binding protein	0.64820766	0.91664416	0.82424325	0.69622153	0.8982735	0.9378396	0.7964942	0.9259862	0.82995206	0.7738088	1.2816826	1,0909173	1.4040333	102788166
MILL Ages I antioen RT1 A1(f) Sinha-chain	1.6783357	1.6321216	1,8973975	2,0893815	1.0904845	0.84492105	0.8958194	0.9825864	0.95/1455	0.50223823	0.33230000	1,113000	4 542444	4 4262280
And and deligation of the second seco	0 R392334	0.9137965	0.7114336	0.79905057	0.6569082	1.1532148	1,5596184	1.7056767	1.4338405	1.4546548	1,23004/0	1.432191	1000000	1,4202030
Wy surgicularity	0 8057998	0 9535833	0.86476064	0.91854805	1.0028024	0.9293028	0.84345824	0.93147177	0.88249147	0.98458846	0.898336	0.8bu32027	0.85002430	130000
Frase-I RCI-ICI	4 0468054	O RAGGRES	-	0.7926503	0.9379066	0.714566	0.69373024	0.714161	0.5935887	7 0.73251253	0.72266716	0.70363766	0.6138311	, (M85355
Phase-1 KCI-63	0 0467660	V 8630034	0 87411785	0 83517785	0.510878	0.47373962	0,6536524	0.58371586	0.41344017	0.48704287	1.3789811	1.1926533	1.226688	/c28/41
Phase-1 RCI-2/0	0.0132003	0.000350	0.000000	0 000745	0 045537	1 1921715	1 1981754	1,1260765	1,1516595	12415986	1.0571644	1,0508938	1.1096685	1.1204405
Colony-stimulating factor-1	0.743342	0.77490045	0.63303100	0.77715R74	0 98054796	1 0042888	0,9181479	1.0024432	1.0704571	0.9950976	1.0354743	1.2151569	1.1604946	1.065367
N-cadherin	0.000310	4 005,100	4 0000044	0.05861834	0 99498165	0.8814468	0.8885631	0.98790216	0.94368345	0.9129831	0.78576106	0.8454875	0.8126563	0.73826146
Phase-1 RCT-62	0.7306113	200000	4 4 4 4 7 7 0 0 3	A 0080311	1 0164857	1 1485367	0.99323434	0.9986816	1.0598224	1.0131654	0.9702902	0.9490979	1.0083088	1.1692452
Phase-1 RCT-22	4 030477	0.30000	0.0521118	0 9398697	1 0731682	1.1536281	1,0453157	0.8983433	1.0104859	1.0481462	1.0248334	0.9232575	0.92621607	0.9349489
AT:3	4 0004042	0.00000	0.87733834	0 87719643	0 99820304	0.87403923	0.8614071	0.8774132	0.95661974	0.85120213	0.9715411	0.91658133	0.8352406	0.83151233
Phase-1 RCI-18	1.000401	0.5022051	0 8331818	0 8485045	1.0332271	0.92779994	0.94607395	0.9454186	0.94041646	0.9357019	0.8762747	0.89330846	0.9628746	0.9956711
Phase-1 RCI-123	0024200	0.50774844	0.7407297	0.47011626	1 0104852	1.089373	1.1778487	0.9196417	0.82887036	1,0694045	1.1199305	1.0320127	0.9597938	0.81578135
Phase-1 RCT-66	60001180	0.0007	0.7 101 20											,00000
Equipment introductory magnifer sensitive	0.6951972	0.5217529	0.5913403	0,5535855	0.97985476	0.6561232	0.7998962	0.8567211	0.6991793	0,79959244	0.720355	0.6895873	0.616253350	0.0000000
Tradeosade usispones	0.755855	0.76708704	1 0223658	0.97016685	0.6724041	0.6591942	0.68899345	1.1561872	0.70086914	0.713782	1.0986309	1.2655461	1.50000r	1,4100307
Gloose ransporter 2	1 026825	1 710726	1 498936	1.3227829	1.1679947	0.9346262	1.0371237	1.0967498	1.0862782	1.0986918	1.493003	1,5017197	1.4934288	7,002400
Mulidrag resistant protein-2	1 049716	1 978449	1.569637	1.49401	1.3891006	0.9768996	1.0457737	1.0503116	1.0937849	1.0588684	2.042959	2,457,4535	2./36/350	1,7822895
Phoentolididelibration binding protein	1 051506	0.9155907	1213156	12360755	0.75814766	0.8465339	0.80066186	0.9900203	0.88271683	0.8449206	0.95687634	1.0148281	1.0191483	1,000004
Prince 1 PCT-180	1.1123357	0.7970688	1.0237926	1.2411238	0.99046993	1.496633	1.392608	1.2466948	12840116	1.3285946	0.9/40/82	0.9281454	1 3547766	4 0783644
Introduction of the control	1.2508807	1.0892433	1.1038629	1.1314088	1.1953808	1.0406123	1.0321196	1.1962961	1.118495	1.10/01.1	GEORICZ L	1,400 (33	4 4069999	2 0046842
No DDL Adorthorne Dd-50 oxidoneductase	3.359645	3.0890973	2.4142966	3.4369538	1,3598765	0.957632	1.0809518	1.0333474	0.9055104	1.053131	2.7350385	2433093	4.100000	4 2075404
Waff	1.328204	1.194260/	1.3877828	1.1939983	0.95951295	0.9102883	0.8697189	+	1.1004626	0.9634813	1,3304/6	1.6343/43	0 943519	0.4307888
Endogenous retroyiral sequence, 5' and 3' LTR	1.308642	1.0468506	0.98069656	0.5727969	0.9650113	0.93731505	1.1222018	0.6352252	0.7546567	1 084846	0 9084831	0 87763198	0.827676	0.8732037
Phase-1 RCT-53	0.93573016	3 0.97277814	1,0645174	1.0461947	1.0601434	1.1096478	1.1335049	0.3374013	0.99140200	0 9908913	0 83427495	0.7663193	0.7450357	0.9888481
Phase-1 RCT-54	0.8583570	0.773649	0.8317984	0.9342618	0,832/0	1.0334707	1 246/05	0 998 77 345	0 9719401	1.076787	1.0595281	1.0744159	1.1186414	1.1234493
Phase-1 RCT-240	1,200455	1.284659	1.4810971	74772627	000000000000000000000000000000000000000	0 8544067	0 97114545	1 1498864	1.0474768	1,007119	0.96889454	0.8115721	0,76676476	1.1363803
Osteopontin	0.657159	0.528848	0.6/620345	4 275472	4 0355877	0.76561683	0 8892807	1 0987592	0.9809098	1,0003775	1.0461278	1.1731853	1,4849713	1.1303376
Organic anion transporting polypeptide 1	1.02537	1.505856	02060271	1.223173	1.000001	22503666	2 0038412	1 17725R9	16361907	1,5106968	1,0686159	1,030017	1.0868673	1.1515287
Phase-1 RCT-241	1.014372	5 0.8188450	1.0699689	1.1526361	1.3300481	1 5403677	4 23307FR	1 1599302	1 2263834	1,3862181	0.78486526	0.9277719	0,9438515	0.7705697
Tissue factor pathway inhibitor	1,23856/	0.8839694	1.4464403	2,00,015	Entonori	2 0000	2000							
Cyclin-dependent kinase 4 Inhibitor P27kip1 (alternate	4 765730	4 728995	2 1364548	1.8600628	1,233767	2.13001	1.6149721	0.94540286	1.0101074	1.0946814	1,0480046	1.1191665	1,2281675	1.1208714
clone)	55C30Z +	4 672537	1 2940311	1 0765895	0.93392134	0.76310754	0.85983866	0.8463501	0.79636306	0.7318473	1.2933544	1,3005931	12691674	1.2230369
Phospholipase D	0 8743436	1 566501	7 1 1091454	1 1291393	1.3801934	12702024	1.2853886	1.1447254	1.3383784	1.1923196	1,0417286	12699255	1.3868349	1,2300121
Phase-1 RCI-38	4 077218	6 0 948RDR	1.0686889	1.0101469	0.9500918	1.1322225	1.0734761	1.1048907	1.165158	1.0756537	0.88240767	0.83133686	0.09161435	7.236362
Prase-1 RCI-230	1 164436	1 323275	1,3225673	1.6508607	1.1440202	1.245062	1,2882409	1.1577454	1,3354007	1.2520984	1.1050476	1.093916	1,06/3134	0000000
Arienine nucleotide translocator 1	0.588957	9 0,5728168	5 0.78398633	0.70429355	0.7661054	0.86754954	0.8279734	12393295	0.94347477	0.94255054	1.1545861	7737387	2 6912677	4.9684567
Alpha-1 acid chycoprotein	0.8256005	6 0.951898	3 1.2047158	1.9098651	1,5526879	5,653538	6.3450637	7010867	7,7304433	0.40235468	1 0719867	1 0836493	1.0836241	0,8804199
MHC class II antigen RT1.8-1 beta-chain	2,126345	6 1.512108	1.426763	0.9165113	0.8891725	0.889542/	0./44/2/0	0,635304	U.03110017	U. Walker the	141			

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wo	0.37	095624

6	0.7200233	NASOCACO O	0 7708733 0 87470564 0 70543435 0 9578849 1 1748958	0.0578810		1 6458758	1 4757458	1.4128559	1,5304619	1,7341665	13451166	1.3317274	1,2831573	1,3244962
Liberary industric factor 4 airths	1 2201945	1 1500506	12201945 11500506 12511733 10648638 0.9428139 0.77546173	1 0648638	0.9428139		0.8168813	0.823509	0.9368751 0.73144764	0.73144764	1.0378819	1.1727368	1.1931272	1.0973909
Disect 1 DCT 43	1 0882 188	1 2058989	1.1400508 1.1400508 1.1400508 1.2226654 0.97586286 1.1400508	12226654	0.97586286	1.1400508	1.1222893	1.0446097	1,0199089	1.041515	1.041515 0.86000437 0.79030955	0.79030955	0.7830231 0.95957834	.95957834
Dece d DOT A	0.8314821	0.968342	0.968742 0.8117641 0.86360204 1.0382861	0.86360204	1.0382861	1.0250335	1,0343918	1.0398972	1,0467553	0.9934937	0.9934937 0.93098843 0.85581048	0.85581048	0,8218943 0,95479508	.95479508
Malata dahudoogaa odosolio	0 7390497	0.73380303	0.7390497 0.73380303 0.88539267 0.92589056 0.69550973	0.92589056	0,69550973	1.1800987	1.1165487	1,2307961	1.2137557	0.9853777	1.1612656	1.042438	1.2251729	1.3227389
Manual Visit of States of	1 135816	1 135916 0 94551504	0.873499	0.873499 0.53196543 1.3953341	1,3953341	1,592947	1,592947 1,6238729	1.0034186	1.0009215	1.2074711	0.7172008	0.7172008 0.72859156 0.66189635	0.66189635	0.3949811
Phoee PCT. 189	0.5732539	0.7636548	0.5251101	0.5251101 0.48207888 0.81672135 0.9022102 0.8803329 0.84767976 0.71640134 0.94945824	0,81872135	0.9022102	0.8803329	97679760	0.71640134	0.94945824	0.8415982 0.8292281	0.8292281	0.803486	0,897635
Aleba fotometale	0 8897649	0.8556266		1,0167274 0.83752066	1.0067294	1249871	1.201876	1.0312313	1.201876 1.0312313 1.0504045 1.2698449	1.2698449	1.2253193 1.0714608	1.0714608	1.1662285	1,4159833
	0.42107534 0.50407535	0.50407535	0.3761418	0.5344889		0.8078522 0.77390695 0.84524318 0.93071175 0.58628845	3.84524318	0.93071175	0.58628845	0.989027	0.989027 0.89523506 0.85909504 0.82887626	0.85909504	_	-
nocen activator	0.9884152	0,9884152 0,86823666	0.68709415	0.7728518	1.0883977	0.96677744	0.8768021	0.8657725	0.8724279	0.8990786	1.0883977 0.96677744 0.8768021 0.8657725 0.8724279 0.8990786 1.0513722 0.928124	0.928124	0.9139651	0.92406726
	0.97264063	1.0924007	1,5132593	1,0181592	0.7426877	0.98179	0.9685146	0.88744307	0.88470817	0.9685146 0.88744307 0.88470817 0.84985507	0.9131297	0.9131287 1.0659952	1.0598409	1,0381951
ding protein	0.65994936	0.9242477	0.5606498	0.8045448	1.062532	1.3008182	0.687888	1.2702985	0.9529499	1.062157	0.7821718	0.7778065	0.687888 1.2702985 0.9529499 1.062157 0.7821718 0.7778065 0.7902153 0.52434087	52434087
medirsor (Ambo)	0.63967845	0.6405042	0.6405042 0.60775137	0.646898	0.855077	1,0264595	0.9410932	1.1306925	0.7748034	0.9911368	0.955713	0.8694287		.84748936
	1.3707818		12351284	1,0591563	1.0209037	0.8514874	0.8664679 0.94743204	0.94743204	0.9162892	0.800908	1.0559143			88294985
Phase-1 RCT-151	0.82568914	0.7217145	0.8855248 0.86886346	0.96886346	1.1531224	1.3932132	1.1945359 1.1823381	1.1823381	1.1803001	1.260434		1.1958337	1.1962587 0.94855344	94855344
Phose 1 RCT-158	128708	1.1649655	i .	1,1221832 0,9873655	1.1052862	1.0692736	0.9579394	0.9354214		0.93170977		1.0703484		1.2076435
Dheen-1 RCT-221	1 0788829		1	128848 12511262	1,0997255	1.3296378	1.3027854	1.0526004	1.0601437	1.1534904	1.1095942	1.0538336	1.0784458	1.0041517
Dheen 1 DCT-235	0.8600405		1.0134358 0.95064414 0.96058965 1.0653893 1.1571686	0.96058965	1.0853893	1.1571686	1.1978011	1.10073	1.1555538	1.1292555	1.2738113	1.307624	1,3976831	1,046817
Oceanic action from contact 3	1 1280838	1 4711441	1 4711441 1 2041142 1 2840279 0,998952 0,7287603	12840279	0.998952	0,7287603	0.8861167	1.0645063	0.9221038 1.0440083	1.0440083	1.2247422	1,2392857	1.5614907	1.1394211
Modern motoline maintaine of	1 5582157	2 2537587	1 7290292	17290292 1.8657224 0.83760405 0.95339704 0.9889938 1.0782433 0.85958344	0.83760405	0.95339704	0.9889938	1.0782433	0.85958344	1.1006273	1,129776	1.0463583 0.94348747		0.9681403
Udoan ombin 2 mediness	0 62573105	0 55475134	0.5062885	0.5062885 0.5000117 0.76719314 0.88749766 0.8635039 0.91365833 0.7642192 0.9082496	0.76719314	0.88749766	0.8635039	0.91365833	0.7642192	0.9082496	0.6220278 0.47835314	0.47835314	0.5400657 (0.44662967
Dhora 1 DCT 249	1 0099642	0.7554106	0.7554106 0.84542197	0.9046709	1.024717	1.0452812	1,0314567	1,0314567 0,9693106	0.9231517	0.96034765	0.9231517 0.96034765 0.99942636 0.96535504	0.96535504	0.8363291	1,0638953
212.00														
(1) Gene expression data for 6 hour timepoint are														
presented as mean ratio of treatmen/control for all 6 hour medictive peace (Teble 18)														
(2) Compound and dose abbreviations as in Table 1.														
(3) Individual animal number														
(4) Liver inflammation dassification for compound- dos moun at 72 hr ves-necr necrosis observed: ves-														•
both, necrosis with inflammation observed; no, no								•						
Toke 25.			,											
I WING KO)														

(8)1-3														
Table 28. Expression Lata for 6 Hour Innepolin (1)		1							П	П	П			100
Compound-Dose (2)						DIF 100 D		DIF 100	DOX 12	DOX 12	ERY 40	EKY 40	EKY 40	354
Arimal Number (3)	1352	1353	241	242	243	253	202	23	-1-	_	20		2	
Liver Toxicity Inflammation Classification (4)	٤	2	2	2	9	02	Ī							
Gene Name (5)	0.0764407	1 2047624	0.74007744	AF369238	0.59298015	0.860744 0	0.60783064	9666999	1.3891479	1,6560104	1.715455	1.4125255	1.3097118	1.5472344
insulin-like grown factor binding process	1 3884002	+-	1.3836128	1,3886435	1.2758768	1.2714417	0.8517901	0.78352886	1.7136365	3,8575553	0,89291495	1.0131509	0.94717526	1
Same Company	1.7051003	1.7871655	1.5070794	1,5667894	1.6549897		1.0942013	1.1384916	0.9614662	1.0426886	1 1895404	0.7447777	0.7264553	1 0376207
NIPK	0.8852137	0.56229883	1,0083054	0.9015347	0.769694	4 2622260	4 0745387	4 4746988	1 4019945	13687974	1,3885401	1.1774081	1,2847914	1,6894935
Cathepsin L, sequence 2	1.0639824	1.0744483	1.3068584	1.092/022	1,596235	0 94584936	1 4512912	1.8260581	1.0823786	1,1615105	1.1491435	1.98292	1.3373728	1.1470807
Heme oxygenase	1.5402095	1 400646	0 61364733	0.9263143	0.5786843	888	0.67406946	0.7539058	1.3549582	1,8561252	1.1762372	0.874524	0.8593291	1.3883901
Phase-1 RCT-109	1 140800	1 1407714	0 73543173	0.7510429		6207	0.8684367	0.8109316	1,3203701	12373238	0.8659527	6	1.1435713	1.0054836
Phase-1 RCT-111	1 3793374	1 0466518	1 5252221	1.461911	1,569452	1.6442823	1,3705016	1.3584251	1.2153777	1,6860768	1.7688313	0.55248886	0.46144664	1.193287
Argininosucomate iyase	1 0832096	1,1208141	0.95668864	0.88845676	0.75327665	0,67337483	0.7783641	0.8541853	0.9951071	0.8912024	1.598752	1.0720682	1.297782	1,3211648
DINA paymetase bear	1,1501688	1,1436805	0.78460693	0.79097015	0.87650377	0.94870498 (3.90659463	0.8385568	1.2835782	12327763	0.86970615	0.9950208	1.216929	1071150.1
Ribosomal mortein S9	12275797	1.3849212	1.526465	1.1971703	1.1685996	1.1677791	0.91425663	1.0385625	1,2666805	1.127801	1.2065347	13/61838	1,3815042	70064494
Phase-1 RCT-114	1.5968797	1.6355588	1.1190932	1.1753232	1.0614103	0.9967282	1.0585183	1.0387253	0.9/6/635	1.4063927	0.7330304	1 20007Z4	0 70774234	0 9125265
Phase-1 RCT-15	1,3337117	1.019709	1.7794156	1.8029552	1.7932677	6.787893	7,0107633	4 0476683	1 6721549	43107123	1 1607493	15312365	0.76685363	1.0086368
Macrophage Inflammatory protein-2 alpha	1.3485932	1.3360571	1.0865/99	1.200/248	207//65-1	0.0010343	201010	200	2					
NGF-inducible anti-proliferative putative secreted	0.0475454	0.8710334	A5954554	0 80394214	0.63282896	0.63648784	0.8026792	0.93658197	0.7053912	0.6960234	2.0236828	0.97907406	0.9521855	1.4856517
protein (PC3)	4 4564122	1 2804424		1 6278744		0.76031184	0.9058606	1.0162352	0.797795	1,003851	0.33611062	0.3864992	0.5441433	0.4795416
Phase-1 RCI -191	4 4024801	1 4951497	1 933316	1,5166186	1.5415518	2.4057472	2.0770123	2.B493297	0.90285915	0.97119766	0.8177567	1.2640256	0.926981	1.8955/B/4
Frase-1 RCI -63	0 77841616	1,1206009	1,3181996	0.859865	0.87417597	0.54273045	0.81973904	1.2818285	1.2848324	1.1724858	1.1828972	0.76963973		1.118636
Cydin US	1.0483928	1.0696491	0.84762245	0.80064225	0.87849253	0.9480463	1.0036097	0.9531414	1.289079	1.2053859	0.7042909	0.099889	1246/445	0.30000713
Description 100	0,5902886	0.45170256	0.7130693	0.7838104	0.84064794	0.15034862	0.75720954	1.0257109	1.2177193	1.1873096	1.3660388	1.1136634	_	0.01702114
Phase RCT-192	1.0673394	1.0131379	1.0119913	0.98459655	0.9761486	1.192137	1.1657301	1.0720906	1.1075536	0.9719218	1.0356666	0.8284.356	1.1330404	0.900/0017
Phase-1 RCT-75	1.023999	0.9693367	1.1268014	1.116383	1.0740708	1.5082092	1,0836552	1.0420028	0.91842276	0.9133034	4 200072	4 5450044	4 2386762	1.4783483
Acetyl-CoA carboxylase	1.0878452	1.1677774	1.041591	0.96997947	1.0282824	1.2019682	1.1059463	1,0518029	1 3495029	1 222296	0.91061443	0.9389838	12611047	0.82489353
Phase-1 RCT-95	1.1021587	1.1064512	0.8054925	0.6330261	0.868904		1 0079512	1 0046452	1 0382415	0.9356594	1.4878733	1,1437893	1,5468837	1.2877858
Cystalin C	0.94155806	0.98014/4	0.8213/436	0.90793673	0.2597046	0 9174421	1 0353292	1.036461	1.0461	1,4049759	1.1648395	1.1186069	12124461	1,2197388
Phæe-1 RCT-49	1.0640091	4 4 800777	0.637.545.0	1 0212879	1 6095886	1 043944	0.85943216	0.9231741	0.7812775	1.1341207	1,7777711	1.1104484	0.6955604	1.0084375
Phase-1 RCI-9	1 7448965	1.8658012	1.4027362	1.1639798	1.1474477	0.99522924	0.92143065	1.3279679	1.2906667	1.6169124	1.0843519	0.83902305	0.64498407	0.75261986
Phase-1 RCT-158	1.0741981	1.071751	0.8206444	0.8730707	0.904957	1,0319602	1.0026561	0.97609544	1,3324,766	12142586	0.9257932	1,0007403	4 384770	1 1705413
Cofilin	0.91550475	0.880203	1.1048892	1.2415817	1.4144032	1.6365498	1.5273024	1.3919214	1.18/592	0.007600	1 2274249	1 4223213	1 5873238	0.87696195
Phase-1 RCT-127	0.8838567	0.8191199	1.0961393	0.93093455	0.92567456	1 1065744	1.0683235	1 0913939	4 4520001	1302664	0.86982507	1.0516834	0.97357243	0.81897163
Macrophage inflammatory protein-1 alpha	1.1670322	1,2244252	1.3572604	1.7061234	0 84063965	1405156	1 0949991	1,0399895	1.0186923	0.97240686	0.8401826	1.3894747	0.52819256	0.94925535
Zinc finger protein	0.8140833	0.7831363	1 140803	1.1397561	12475387	1.691877	1.1438065	1.1849988	0.89056945	0.8452399	1.0194948	0.83622897	0.84815127	1.1042784
Pigges Rulers	1.0126511	1.4310333	0.91386163	0.9992308	1.0846193	1.0654869	0.997672	1.084321	1.1978416	1.007456	0.8988083	1,5645282	1.6637505	1.4351355
Oth Mades amiles	0.5647027	0.6716258	1,2150382	1.1215144	12606493	1.0761752	1,1600064	1,0131764	0.9642112	1.0091234	1,5504801	1253/663	1.3443630	1.3200307
Phase-1 RCT-242	1,4221622	1.2410887	0.98356205	1.1220657	1.0486945	1.1194212	1.0453906	1.0680346	1.428/058	712171	0.7070263	0.8344883	0.7083351	0 70902973
Phase-1 RCT-60	1.3079531	1.1411738	1.3499454	1.3055284	1.165/332	1.23933397	0.0017647	1 0225891	1.1551472	1.0120801	12281874	0.9384159	1.1250173	1.3803848
Elongallon factor-1 alpha	1,069448	1.1323607	1.1330074	0 8384475	0.8056949	1.3058773	1.0266104	0.8826984	1.1283333	1.3467253	0.86863196	0.91538	0.9280598	0.94618374
Integrin beta1	1 5461400	13478744	1 7938299	2332741	2,3021407	1.6690369	1,3385427	1,1932249	0.8580827	690692'0	0.7932818	0.7491916	0.69563055	0.7704544
Insulm-like grown racker untuing protein 3	1 2076896	12177812	0.96898407	1.0140747	1,0173962	1.2028736	0.97256905	1	3,650263	4.440098	1.1509476	1.1509278	1.1361003	1.2230527
Prisser I NO 1-33	1.2483572	24123406	0.7140174	0.7465456	0.81730556	0.7839297	0.8313107	0.7821939	1,3349786	1,4169556	0.76349103	1.1954038	1.6689951	0.8782405
Fortio H-thair	0.9933897	1.0881922	0.7006284	0.7452266	0.76406014	1.0190778	0.70266396	0,7172857	1.171653	1.0739478	0.79095435	0.5/38258	4 2276642	4 5244015
Selenorotein P	0.60416037	0.62635696	1.09492	1.0139405	1,3519524	1.0965252	1.2581054	1.0867587	1.3547277	1.1344333	2.141493	1.1203050	1 1892709	1 0960588
PTEN/MMAC1	1.114991	1.0278114	0.7445474	0.68240064	0.6852396	4 9554545	4 3240727	4 2055042	1.0343263	0.077121	1 2238961	0.8048398	0.9323912	0.8411842
Phase-1 RCT-214	0.604408	0.7577235	1.52105	1.438/845	1.32/2330	0.62631947	0.8338584	0.8438211	0.92046493	0.78735983	0.8198828	1.2225748	0.94511753	0.82484734
Phase-1 RCT-112	1.077123	0.8911140	4 20706	4 42874	0.05130120	0 7437973	1 2124983	1.4905071	1,3209971	1.3720802	0.99652	1.0838666	1.0750396	0.72400385
Thymidylate synthase	0.7078753	4 2166704	0.46296874	0 82394564	1 1655861	1.3578712	1.0766767	1.0671115	0.99432313	1.0129347	1,6959459	4,948838	3.8422706	4.9467267
Phase-1 RCI-13	0.7463301	1,107617	1.1195881	0,72340673	0,90957	0.73809975	2.1552904	2.1655662	1.8015609	1.6744641	0.91497695	1.2669642	1.1990772	1,106503
Cholesteral 7-abba-hydroxylase (P460 VII)	0.8881278	5 0,8076834	1.2069831	0.7974609	0.9589351	0.6997881	0.878829	0.94378614	0.9173585	1.0213233	0.59038	1./6/483/	1 5463687	0.7576797
Vestcutar monoamine transporter (VMAT)	0.712020	7 0.66010356	1.3494318	1.1498145	1.1858447	2.3930652	1,0446173	1.0450333	0.7254355	1.4982921	0.6620241	12354124	0.9765508	0.6733907
Phase-1 RCT-260	1.13891	3 1,181598	1 0.9813111	0.923424	0.901/672	U.bos4sove	0.6103200	C. 01 W.	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1					

				00000	, organia	00000000	1 5464059	4777574	4 0040541	0.046950	1 223038	0 9509711	1.0514894	10333784
Phase-1 RCT-32	0.9701713	1.5/06564	4 2205202	1 2055007	4 2894771	1 688997B	1 0542685	1 095064	0 9802147	1.2687734 0	88735396	1.0458976	1.0066007	0.9220877
Perodsome assembly factor 1	0.0000000	4 4627405	1 1170384	1360916	1 0008862	0.705972	3,87617695 0	.88519436	1.1202703	0.9214398 0	72116846	1.1213989	1,3804375	0.9825917
8-coopulating DNA grycusyese	1 045203	1 99695987	0.7907858	0.8290001	0.8425973	0.870289	3,92964274	0.69360243	0.8842444	1.122326	0.8663185	1.0540746	1.0047274	0.9024255
Triaser ROI-62	0.752205	0.85271384	1.0580885	0.9830423	0.91059196	0.7986767	7,8556577	0.8574755	0.739548	0.7324065	1.2392672 0	77263135 0	.75636286	0.9430562
Dhara 4 DCT 184	0.91212665	0.9452864	0.985262	1.0562302	1.0564773	1.4435261	1.149296	1.0606707	.87949884	0.9872141	0.8413188	99538034	0.9407821	0.8265065
Phase-1 RCT-168	0.7539933	0.7682384	0.8391526	3,90784276	0.8521743	0,90003264	1.1230217	1.1207591	1.1333709	.98554665	0.9996434	10/05/85	1.305042/	1.144/351
Phase-1 RCT-119	1.0786844	0.8595675	0.68749565 (0.64850944	0.7394286	0.6154752	0.8060798	91919605	0.68/23/6	07440076	7574187	0 5574472 0	4R96561R	0.6900072
Carbonic antydrase II	0,7393868	0.59967345	0.81396484	0.9830487	0.9163464	0.9372876	4 0504683	1 0001383	0 9006427	0 8301914	1 2433642	74813523 0	78408355	1.0419278
Tryptophan hydroxylase	0.70863044	0.64898175	1.2861114	1.18/3021	1,2228402	0.51252466	0.8398779	188653326	1.0353826	12753224	1.1003181	1.021799	0.8903363	1,0096934
Phase-1 RCT-71	1,3540204	1 2220016	0.001333	0.8566204	0.87058914	1.0240241	0.87153757	1.95082146	1,3581831	1,2564949	1.2024245	1,4688504	1.7654766	1.71527
Priase-1 RCI-1/9	0.9701918	0.9120823	1.1744668	2,0702195	1.6858728	1.2710149	0.97507364	0.9504568	.54445106	0.63009226	0.7010142	32498237 0	29461536	0.8170066
Discont DCT-207	1.8582406	1.6087422	0.9766804	0.967289	0.9630512	1.0655282	1,0652405	0.9961914	3.9457316	5.4778256	0.9336207	3,87881935 0	89968944	0.9319062
Phase-1 RCT-144	1,4481487	1.5749441	0.95939547	3.92780805	0.8853776	1.1983722	1,0654476	1.0897225	1.1676252	1,5323609	0.9093057	1.5099847	1.8018848	1.33035/2
Dhaea-1 RCT-225	1.0769101	1.4350773	0.9790221	0.9289701	0.6790544	0.7349236	0.5817377	0.6650739	0.43065053	3,46589515	56259745	PEGEODOS.	P2614374	23240300
Courtment PASO 2F1	0.7163754	0.82694393	0.91141546	0.8971928	1.082249	1.4985788	1.208799	1.4708492	0,818828	1.6510942	1,0911618	0.6713246	0.8082452	0.7140240
D-1	1.0639237	1.085857	1,2509584	1.267821	1.3549134	0.839346	0.91795033	0.87724626	1,5183649	2.3388557	1.0330453	0.7340872	1.09559329	4 0780504
Thioredoxin-1 (Trx1)	0.8518778	0.8609029	0.7468289	0.76019895	0.6709374	0.6740977	0.7479546	0.8464779	1.0041887	1,00001	1.04500784	38812736	3381834	0 1545165
Carbonic anhydrase Ilf	0.5366234	0.33320174	0.5133709	1.4482896	1.4290621	4.5755233	STATE OF	0.4730004	4 0004000	4 036364	0 7000550	02160005	0.8912673	0 7864853
Phase-1 RCT-140	1.194521	1.4673231	1.4869481	1.1391897	1.2018342	1.2859926	12546433	1.12509000	1 4388158	0.0957483	1 6502764	0 8762431	1 3000246	13347946
Complement component C3	0.7090959	0.8659855	0.75235176	0.54866487	0.65669584	0.6202878	0.726333	200000000	0.1309130	4 1005472	0 7182848	1307331	1 521782	0.5134712
Glucokinase	0.86712825	0.83209056	1.1187791	1.3953642	1.1708927	1.4036028	4 4486032	0.00030000	COGRAGE	0 70002177	0.77300094	0.85276194	77829283	0,5930725
Phase-1 RCT-173	1.2513576	1.0719923	0.88660234	4 6007436	4 7 456045	1.UZU3418	1 3973644	1 2037604	1 0407898	8678	0.58669376	0,94134945	0.903576	0.6749248
3-methyladenine DNA glycosylase	12313215	1,1221.7	1,233,783	1,030/420	4 2244853	4 836753	1 4250157	1 4209152	1.182973	1,0134292	0.81167156	0.9037236	0.86374354	1,2291635
Perovisornal multifunctional enzyme type if	1.0277601	1.1628624	0.9949061	300000	1 1200166	1050130	0 000453	0 9412754	0.7516438	0.68721086	1286754	1.0423954	1291455	1,3408848
Phase-1 RCT-40	0.7221244	0.8073842	0.50403343	0.304333	0 73067	0 9924164	0 59500365 (0.54533803	0.6757381	0.5034388	1.3258038	0.99506444	1,558712	0.9061594
Senescence marker protein-30	1 0774000	2 4227244	4 6856785	1 207/021	1 1560766	1371335	0,87576243	0.9811706	2.8266072	4.884555	0.6756685	1.2878695	1.2771672	1,2481596
Cyclin G	0.9841162	0 95611364	0.8534896	1 290025	0.880567	1.1540784	1.1918983	1.0519959	0.9474036	1,0358588	3,82087773	1.1547494	12862153	1.1529762
Meianoria-associated alluperiment	0.9453553	0.87900746	1.1778737	1.1125/31	1.1088959	1.172108	1,2057805	1.1764016	0.9838284	0.76664153	0.9550264	0.89354545	0.9893761	0.6651786
Fresh	1.0215691	1.075294	1.0607293	1.1090199	1.0478067	1.0093412	1,1519376	12263917	0.99743104	0.84848106	1.1028464	0.7420239	1 1007056	1.1004101
Alcohol dehydrogenase 1	0.39017606	0.55005115	0.8081192	1.0456945	0.865349	0.89654845	1.2359256	18221776	1.737877	12335052	1.1030001	0.95026314	1 0364805	78212273
Stem cell factor	0.5445715	0.40895513	0.96821105	1,0397775	0.89660036	1.1964818	0.660/323	0.6011828	0.6575459	0.43084437	1,8031058	1,1185488	1.0898576	2.3753624
JNK1 stress activated protein kinase	1266905/	1.4046497	0.5304000	0.7223413	0.024 1021 0.7837038	0.5547787	0.713538	0.7460016	0.9733677	1.1671144	D.91040474	1.1797063	0.9541371	0.7610094
Protein tyrosine phosphatase alpha	2 097427	2 292475	0.6253163	12662809	0.948884	1.1010554	0.91875905	0.7388069	1.0433824	1.0625855	0.68657875	1.0370268	1.007302	3,98813736
(file-efficacións entres (RAD 6 homologie)	13621775	1 5021722	0.85152185	0.9730741	0.9011802	1.1470127	0.92341477	1.0775741	1.1789468	1.0519481	12543423	1.3448383	13884952	1.5298707
DNA trooisomerase	0.73785675	0.9114692	0.918578	0.72665733	0.7973736	0.92603683	0.86890876	0.64830434	1.1998571	1,0128113	1.1886564	1,353949	12043279	1.0611229
Phase-1 RCT-280	0.81776965	0.8098462	0.9706428	0.8620266	0.868639	1.4877573	1,386,2056	1.330703	0.8536979	4 2424043	4 4200007	10520145	4 ORORODG	1 3213862
Superoxide dismutase Mn	1.1414894	1.0854832	1.2079935	1.2678173	12752644	1.4448665	0.97471917	4 4705071	1,333//84	7724912	0 6537312	0 2807447	0.41095746	0.5866685
Beta-tubulin, class I	1.2449441	1.2044565	1.2288083	2543356	1.6923046	1.18145/	0.8577837	O P5540843	0 60717434	0.6128029	33178418	0.588104	0.6175286	1,5371989
Carbarryl phospirate synthetase i	1,0503479	4 6790037	4 0540090	1 2204037	1 2745456	0 64878374	0.8215811	0.81473607	1,1293198	1.0545113	1.1381949	0.90380013	1.0565908	1.1623303
Diacydlycerd kinase zela	0.81335046	1 0522574	1 2645379	0.92984784	1.2513217	1.1502929	1.1027484	1.1302577	1,333418	1,4496244	12476801	2.0718253	1,9922756	1.6602932
14.3.3 zeta	1.3499728	1.3743372	1,2006785	1.1885026	1.139614	2.060828	1.1337401	1.0477242	1.2609935	1.4302226	0.5021094	0.6422179	0.60124403	0.565011
Gamma-actin, cytoplasmic	2.4895623	2.1727664	0.7072828	1.9712237	12489913	0.8801402	0.8977548	0.77267171	8112528.0	4 0007763	4 2263750	0.8341310	68102354	1 612297
Ribosorral protein L13A	1,5147691	1.626859	1.0750962	0.95029324	0.7166286	0.561684	0.50018354	0.650000234	1 2200649	0.9002272	0.81141555	1.0224178	1.1656775	1,2119042
IIG-a	1.26/065/	1.5530/33	1 2400066	4 3031428	1 1059694	1 1793308	1 0538352	0.9831354	0.8410533	0.9375822	0.79701304	0.44462457	0.5189442	0.73535603
Phase-1 RCT-66	1.4313022	1,0502143	1 1943449	1 2137611	1 2389246	1.1407274	1,0762353	1.0450134	1.9385508	3.534283	0.9300802	0.763423	0.87867767	1.0692589
Outsin Commondimentarian (Pomis)	1 2620486	1.2628659	3,7607155	4.0536056	4.9414487	2.0624855	1,3880414	1.4981838	0.98868096	1.104312	0.87978196	0.35313445	0.2786272	0.69184417
UNIO Cod reductions	0.96406853	1.0045577	1,3358407	1,3232995	1.082171	1.1723812	1.0477175	0.9993826	1.1480788	0.94270575	0.6586299	0.66061765	0.51252365	0.538/396
Phase-1 RCT-12	1.2427459	1.2502867	1.0788821	1.564029	1.3599119	1.2818308	1.182637	1.1867266	0.9119338	1.0460873	0.67720056	0.6935239	0.8117735	0,001.0
Interferon related developmental regulator IFRD1			07200077	70506404	300270000	2000000	1 0738144	1 2013717	0 757 15953	0.70687276	1,1253603	1.6867974	1,3359295	1.7920336
(PC4)	0.6943/49	4 404 704 5	7.08040	0.76500434	0.93247350	0 8545324	0.45468795	0.3728695	1,955688	12989768	1.7998956	1.9937497	2,073283	1.3648689
Gloose-regulated protein 78 3-bets-burkmeternik dehukmoense (HSD3B1)	0.83513176	0.90633464	1,0077075	0.6072537	1.0339527	2.0005724	1.3610573	1.3082374	1,388277	0.97267467	0.58432037	1.0156319	0.91062284	0.5316004
Caspase 8	1.1449169	1.2995298	1,237789	1.1723615	1.0759863	1.4007044	1.1605276	1.1267935	1.0908027	1.1455709	0.8896123	0.7886009	4 00003894	1.0676555
Phase-1 RCT-169	1.1122804	1.1024202	0.7128326	0.932589	0.8971795	0.8633513	0.76963055	0.8051678	1,0704755	1,22/6249	0.6250246	1 3038616	1 4111732	1 2599512
Phase-1 RCT-197	0.85790735	0.9470594	0.9726237	0.87447333	0.88407695	0.81889933	1.05/32/	12113346	1.1531370	2 1935241	0 9148544	0.77709334	0.80130154	0.75145024
Phase-1 RCT-34	0.9541858	0.986385	0.8029276	1.2612526	1.0773342	12/32/05/	1.2230470	111111111111111111111111111111111111111	Charles	-				

					1 0000	10000000	1000000	100000000	9 80006546	4 0525395	0.00728635	4 4507241	985581341	0.83291931
Phase-1 RCT-72	1.1532450	1.1491003	1 143956B	1 1104981	1 1888062	13816341	1,1972934	12632686	0.82041675	73108963	0.9984887	0.8123157	0.6220736	0.8369383
Chase 1 PCT 288	0.6965404	0.65992755	0.6677567	0.72568494	0.81074893	1.0326887	0.8692768	0.9259545	0.68989116	0.6605011	0.9467032	0.842211	0.9765942	1,4188862
Discont DOT ON	1 1604788	1.0284941	0.9732856	0.98586035	0.99921006	3,82077307	.86753774	0.88468534	0.8646045	0.9435547	0.95910275	1,1298519	0.7684607	0.662539
Cutodome DASO 2039 (allemate close 2)	0.3925543	0.5188859	1,6436788	0.90059125	1.0999278	1,3426635	1.0068405	1.7915363	1,1513156	1.0682892	4.4495444	1,0192144	2.0741665	2.657491
Dece 4 Port 300	9 2454118	3 6023922	0.5773588	0.65400064	0.92393935	3,67907935	0.7427678	0.8352382	0.27547252	0.3008203	4.82875	12375201 (1.94982815	2,2157886
Ohere 1 DCT 261	0.8975097	0.9681992	2.0505282	2.1988869	2 2928405	0.92993706	93851906	1.0079982	0.99586394	1.0630034	0.2861848	0.7335372	0.6099122	0.5346542
Mark day On mormon adults	0.75176628	0.80417114	0.9544214	0.8231791	0.79584324	1.4105912	1.3517196	1.2859032	0.8933488	0.6970335	1.9774722	12249827	1.3809614	1.8438076
Coorpore PASO 142	0.9776212	1,064189	1.005421	1.0048558	1.0207624	0.6958932	0.9303317	0.94637378	2.8789656	4.8438553	1,0219054	1.8298012	1,441777	1,0408304
Phase-1 RCT-297	1.150562	1.101697	1,1530881	1.3421009	1.2308629	1.2642325	1.1115142	1.1803528	0.87137264	0.9494067	0.7764015	12709187	0.9571097	4 80019134
Monoamine oxidase B	1.0927002	1.200428	0.660846	0.82575583	0.87851655	0.8604643	0.80962914	0.91938394	0.7882972	2,54584785	2,2651641	1.1364806	979000	10303307
Phase-1 RCT-264	0.72471964	0.8079825	0.9274944	0.79050946	0.6910171	2,231168	1.604119	1.4552658	0.97968304	0.7284687	26953265	0.8582/4694	0.3949.09	1.4303230
Perceptor gamma	0.6596883	0.586164	1.3733292	1.540002	1.1375457	0.9125197	1.4012071	1.7575788	1,5000836	1,1064,322	0.8920239	0.7377407	0.7330833	1,135,2313
Phase-1 RCT-143	0.8570184	0.9049491	0.9455183	1.0017682	1.0165701	1,3846316	1.0779752	1.0433515	0.8161484	74902064	1.0367671	1.0295.376	1.1197352	1.1104635
Phase-1 RCT-251	1,3092402	1.8119785	1.3188888	1.0955898	1.4188455	0.9965033	1.1392136	1.3601983	1.0995295	1.2247025	0.6/68/505	DBS1CE 0	1.8104893	255575
Phase-1 RCT-117	0,8119753	0.7829123	1,2024503	1.0469525	1.1967267	0.7608304	1.1095296	0.70566773	0.48531538	3.58286023	1,503/63	1,0/4,2021	1.1321000	1220013
Christians Stransferase theta-1	0.83834046	1.0006908	1,3764784	1.1656637	1.1187125	1.2029727	1.1929708	0.99013776	0.915101	0.49107653	1.0118678	0.68781686	0.59279454	0.7784238
Phase-1 RCT-91	1.0040501	1.1075783	0.8486581	1,006966	0.8916075	0.76521105	0.9662142	0.9403939	1.1971416	1,3308133	0.9428357	1,0069869	1.1177936	0.9743331
Phase-1 RCT-148	0.9476089	1.0283289	0.8247488	0.94597006	1.0352014	12411588	1.0418857	1.1458908	0.637905	0.5753839	1.0755539	0.7848086	0.855/61/	1,0334876
Phoesa 1 RCT-142	0.8442029	0.73909515	0.8662093	0.90914255	0.8975094	0.91976394	1.0424308	1.1328205	0.8769325	0.8419495	1.63141	1,096/933	12810034	1,4663007
Activo recentor type II	1.208805	1.4169495	1,0395888	0.9158485	0.8186872	0.54057413	0.62705846	0.67523754	1,0548598	1,2364507	0.76757447	0.939208	0.9124453	0.6746425
Chuba methyltransferase	2.2955976	1,6179285	0.5055575	1.113883	1.0705909	12374665	0.99373513	1.0076952	0.57361835	0.6954544	0.77626145	0.5417241	0.73168635	0.72/3/54
Physe-1 RCT-281	0.76270473	0.6862142	0.88917005	0.8232771	0.91479117	12821543	1.0681897	1.6185822	13104142	1.2512434	1.1677234	1,0305358	1.1611022	129//8/2
Ciliary peuroboohic factor	0.8840685	0.8796683	0.8978845	0.9228418	0.8354116	0.7274112	0.8540945	0.9374931	0.9511628	0.76994056	1.2524908	1,4153033	1.910/412	1.1226/51
Gap function membrane charmel protein beta 1 (Glb1)							-		, 000	, 000000	4 00000	0.45004745 0.40909154	40000464	4 4046402
	1.0277741	0.9590647	0.9874397	0,99695295	0.92440057	0.8395616	0.85646704	0.78780525	0.861/24	1,0013821	7000000	4 0000047	4 0677730	0.056067
Phase-1 RCT-96	0.9988818	1.0889654	0.96215796	0.9201691	0.8716278	0.6958904	0.69829154	0.8093003	1,0550435	OCCUPATION OF	4 5000074	1,002012	4.2440040	4 7896300
Phase-1 RCT-287	0.81596893	0.8698797	0.95368946	1.2209545	1.1424453	12366983	1.1695523	1.1215166	0.798/9284	0./083116	1.0006074	10,101010	1.6140345	4 6060070
Retinal-binding protein (RBP)	0.7304211	0.740447	0.75519645	1.0509123	1.1844668	1,3898851	1.1251059	1.1667086	12095087	0.8886898	1.4648013	1220/24	COCCUSTO 1	1,505,007,0
Very long-chain acvt-CoA synthetase	0.8174245	0.7958023	0.8036754	0.9124303	0.9001895	0.95671946	1.0879744	1.1710634	1,5573408	1.3955518	1.1814111	1.14.26262	1./183/01	1.0821208
Syndecan-1	0.9153151	1.0275626	0.7745088	0.75577486	0.8210832	0.81744254	0.8561358	0.7782594	0.9651443	0.85921097	1,5201632	1,0636534	1.123000	1.1200497
Stathmin	0.98768735	1,2290562	2.4247	0.8481351	0.7923595	1.0663583	1.2940521	0.8901208	0.9910308	0.88722694	0.9133075	0.76160863	0.9225203	1.85022820
Phase 1 RCT-145	12439121	12721246	1,0105327	1,1327103	1.0713922	1,5203333	1.3655419	1.3136513	1.5039318	1.6452917	1.1226231	1.4986025	1.504491	1.0027206
Axin	0,9984732	0.88497835	0.66517323	0.73068327	0.6615657	0.64247507	0.85665655	0.8203823	0.7243902	0.93580234	1.1592449	0.8097477	0.3625286	1,0/02030
Phase-1 RCT-89	0.968871	0.9912224	0.82692488	0.7369188	0.81268677	0.9008004	0.82346964	0.7502198	0.6059508	0.5819529	1.3850205	0.8485582	0.9623038	1.10/433/
Sammissmic refortum calcium ATPase	1.1613208	1.1398766	0.7185942	0.8378656	0.74305004	0.5695874	0.71261007	0.65150505	0.92325145	1.0988955	1.8868239	1,8747405	1,6152213	1.1930123
Alaba-2-macroolobulin, sequence 2	1.4508644	0,94587255	0.7219253	0.66963375	0.61065704	0.3906158	0.690736	0.76318306	0.7087691	0.8785034	1.4346533	0.82643944	0.8989087	1.3886627
Phase-1 RCT-204	0.9714241	0.7777904	1,0983198	1.1164016	1.0477796	0.87438464	0.78883433	0.8346456	1.0076044	1.0494508	13006037	0.9281276	1.001132	1.1840623
Vascular endothelial growth factor	0.8531602	0.7706134	0.9792123	0.62373656	0.70904976	1.4321207	1.1131294	1.0329984	1.079375	1.1568389	1.0422078	0.71587986	1.0477905	1 Despet
NADP-dependent isocitrate dehydrogenase, cytosolic							0030020	4 4000449	0 94400EK	0.92400K48	4 4759878	0 70163316	1 124615	1 20(8222
	0.57893217	0.61725456	1.0427985	0.9471531	0.9471216	0.90018106	1,0/30528	1.1332413	4 0400440	4 94450071	1 6556437	0.8574578	4 487 1962	1 1937523
DNA binding protein inhibitor ID2	0.7292506	0.74974734	1.1868339	12465177	1.1018492	1.1453595	0.343(5033	0.000003397	0 6078557	0 R708077	1 6984073	0 63219064	1.0452744	0.71017045
Glutathione 3-transferase Ya	0.6463135	0.59641707	0.7149896	192/8091	0.58/9122	0.35841134	0.7100313	0.402/0233	4 9675274	1 5563053	0.787373	0 9470947	1520638	1.4046931
Epoxide hydrolase	1.0675853	0.9832011	0.8852081	1.1031203	0.074530	0.31303723	0.7340406	0 6812882	0 85514957	0.645755	2 5913103	0.9419932	1.0361955	1.B684826
Insulin-like growth factor I	0.7504597	0.5383320/	0.7308237	200794173	1 EANTORA	2 SERREGA	3 48F763B	1 1811235	1 8082356	0.91348916	0.36668357	0.9794984	0.6647975	0.9094396
Prostaglandin H synthase	1.0333382	0.03942913	0.050500	4 0742442	4 4020348	0.0789064	1 2022503	1 2204945	0 91700447	0.846558	0.9126331	0.6790728	0.B1144744	0.85553026
Prase-1 RCT-136	0.67.266733	0.735663	0.3003020	1 7 7 5 8 4	0 6579368	0 6902201	0 842267	0 9369233	0.8477353	0,6861078	2.8826382	1.0383059	1.2727008	1,544696
Present RCI-13/	0 91134083	0.8768537	0.87060034	0.9938365	0.934944	0.95488894	1,0278087	0.9906744	0.7440171	0.82526964	1.1836184	0.7573184	0.9298745	0.93238705
Harofic finase	0.7512695	0.8842417	0.79535085	0.69320065	0.62458056	0.6403478	0.57865155	0,75331163	0.62277836	0.59898484	1.7024143	1.2514849	1,3348538	1.9842658
Disca-1 BCT-164	0.676499	0.6433324	1,03716	1,0708702	1,0311988	0.52971363	0.88295263	0.8943539	0.8523826	0.95265734	0.7470849	0.9729635	0.9964131	0.9831034
And Cod dehulmenses medium chain	0.887353	0.8238361	0.8521848	1.1776581	1.0318562	12301338	1.2064471	1,2035058	1.1354555	0.95849097	1,8350973	1.0120525	1,12523	1.8708438
Girlalbione Stransferase Yb2 subunit	0,8744547	0.70743483	1.3469238	1,8642306	1,5632342	2,6701372	1.3803933	1.1881242	0.98118705	0.81289244	0.71604294	0.59751636	0.4213725	0.5601271
Carbony reductase	1.1230837	1.2014769	1.38549	1.4008471	1 2269723	1.4448719	1 2205163	1.111156	1.0521109	0.92882454	0.90030533	1,009114	0.9426473	1.248/01/
Phase-1 RCT-166	0.885908	0.8685878	1.2536063	1.3630384	1,5357416	27721395	1.5365267	1.4076842	1.0206383	0.6981119	1.0630767	0.47394648	0.0503333	0.87363684
Apolinopotein E	0.6926818	0.73708695	0.76596904	0.6373324	0.75302184	0.6231972	0.6181211	0.6819214	0.9127153	0.71082634	1.0834.ZbB	DESCRIPTION OF	0.03910/93	1.000/402
UDP-ducuronosytransferase	0.8018561	1.0562968	0.5777857	0.83212185	0.56624097	0.94579375	1.1388319	1.1691272	1.1138767	1.0151323	2,3409011	1.2819633	1,367/363	1.5000135
Clutathione S-transferase P1	0.790731	0.7830966	0.85095847	1.0749508	1.0527772	1.9883548	1.4855533	1.3046354	0.80334646	0.9514419	0.5511/0/	4 4403000	1 0945947	4 4700704
Disufide isomerase related protein (ERp72)	0.81462264	1.1201191	1.2715217	1.1839918	1.4913396	1.3427719	0.9418565	0.69701964	0.82770224	0.8203614	2 407520	1,4433003	4 0500775	1 5143704
Ribosomal protein L13	1.0162511	0.8306719	0.8824151	0.92166144	0.98438624	1,3341535	1.0923705	0.7863676	4 0769000	4 0004438	4 386388	4 342497B	1 8216971	1 7313887
Ceruloplasmin	0.64633536	0.96051997	1.1297263	0.835198/6	0.9862622	17471006	4 3643606	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	1 2428153	1 3116717	1 0382118	0.87804085	0.8316061	1,09575
Inter-alpha-inhibitor H4 heavy chain (Itih4)	0.8616295	0.8678301	1.4108/19/	1,04554/0	1.220004	1.717403201	1.00100.1	51611	144601		1			

							***************************************	24204024	0 0305644 0	BERROTER!	0.8403319	0.9268245 0	98620884	5,7017373
Phase-1 RCT-3	0.8365647	0.9395714	1.1669317	1,2288176	1.1766/59	0247474	1 0815338	3790599	1.1137623 0	79900295	1.2576091	1,0818975 0	92700243	1.1664408
Feluin beta (Fetub)	1.0088193	0.90232766	1.141360	02074704	1.000120	1 0866346	1,0657032	0.9716811	0.8622124 0	75651914	2.0389318	1,0594606	1.1678001	1.353997
3-hydroxyisobutyrate dehydrogenase	0.6804312	0.001/3030	100000	4 4204MB	1 2085783 0	0 99051607	1,127,5958	1.746742 0	.80164164	0.592439	1.759821	1.4403553	205/483	0488708
Carbonic anhydrase III, sequence 2	98921967	0.71561136	7	1.4224030	72774136	4 4645052	1126118	1 0191767 0	84617186 0	87016296	2.032427	1.2886453	1.3623395	1,372,1166
Phase-1 RCT-10	0.75076133	0.7415613	3 8	0.302000	0.6547050	0 637171510	55664945	0.6628438	1 2527404	0.9988768	1255821	0.9761692	1.0638013	3078854
Apha-2-microglobulin	0,8343368	0.9031303	0.419/4300	0.770638	06422005	0 7704308 0	61488384 0	69496644	0.7115494	0.6236137	1.7124864 0	84732056 0	.88940096	1.033233
Dynamin-1 (D100)	0.8330266	0.59297220	1 2453853	1 1517979 0	96779525	0.8829925 0	95829403	0.8442683	1.0850848 0	95252824	1.0074192	1.2717823	0.8153445	0.9783741
Lysy oxidase	4 0555005	0 00077000	0 66451883 0 600	180224277	0,7280834 0	1535	0.86168194	0.8192903 0	0.65898085	0.6881865	27183495 0	63414896	7.00000	0 0074004
Phase-1 RCT-252	0 8080103	3 5	13462024	1,2049032	12763138	1,5511298	1 2642708	1.0913371 0	91495866 0	0.98248357	1.0106361	0.3002302	0.0343327	4 4960777
Phase-1 KCI-29	0 8091201	0.8759457	1.4942888	1.2843789	1.4373442	1.1726682	1.2067256	0.9528627 0	85578944 0	OSC291	1.07 727.31	ODSZ/ OGS	1 0400352	83512443
Phase-1 RCI-2/8	0 999652	1.0944405	1.1570483	1.2536618	1,3013704	1,9945265	1.4975928	1.4161092	12281724	1.1962/33	7 244454	4 4005765	1 2311082	1.3999048
Prinsent Roll 42	1.1560149	1.0104176	1.0917507	1.0091077	1.1052097	1,4296125	1.1500825	1.1218737	10/4/6047	4 2034022	1 4527085	1.1358902	0.9274119	1.2782775
Carehome DASA 2014	1.0477988	1,3320513	1.0828166	0.94313395	1.089177 0	0.70781106 0.6354	63548167	0.6452032	2 4	0 8443403	0 938911	0.8560161	0.9434265	1.1666554
Dhoen 1 BCT-200	0.81548154	0.8705482	1.3969834	1,5350783	1.6748725	2,4147549	1.5590416	1,030,000	4 4005404	4 0450726	1 5708002	12433539	1.342703	1,5033916
Comfement factor (CFI)	0.79444027	0.94054633	1.456007		1.387967	1.411678	1,3392016	1.200233	0.0742453	10774729	14538687	1.1128132	1,0369985	1.1363467
Doutterston cell ministra andicen dese	12650155	1,3149804	1.1186911	0.94386524 (24 0.88696355	0.6060299 0	/3388/	0.6/3/93/	4 0004803	0679694	68335694	0.8624018	0.81101906	0,6593128
Activating transcription factor 3	1.0748057	0.9421904	12269067	1.4822936	1.3552039	2243396	0.30505455	0 86003004	1 1540179	1 0581989	1,2310092	1,3671725	1.6046762	1.2537608
Focal adhesion kinase (pp125FAK)	0.81595933	0.84704083	0.88098973	0.7685088	0.7611753	0.35415607	2 2	Į į	0.8027923	0.7302274	1.4096868	0.83384955	1.0004985	1.1396871
Phase-1 RCT-289	0.80255556	0.8754532	0.7282328	0.9/2/60	0.800/334	4 0000044	4 44 75500	0 9787859	6996006 0	1.1205957	0.8952056	0.80011946	12911084	1.1816466
Phase-1 RCT-259	1.145912	1.0575374	1.198725	1.0844622	4 4022944	1.038324 0.7847209	1 1222669	1 057322 (0.87790984	0.8432872	1.554189	0.8235227	1.1671485	1.4635953
Iron-responsive element-binding protein	1.1640453	1.6355906	1,0352157	1.0/331/0	4 0705004	1 0000671	1 2194107	1,1044897	0.68163806	1.066051	26941884	0.43219772	0.38450304	0.3659965
MHC class I antigen RT1 A1(f) alpha-chain	0.9972669	1.0183107	1.1301042	0 7057574	234 0 98772086	0.7817652	0 7708987 0	33870676	0.601087	0.54688054	2471351	1,2312016	1,3594514	1.8410361
Aryl sulfotransferase	12439897	1.310165	0.00/71344	S I g	0.00122000	10596301	12363732	1.0737653	1.2885715	1.1554767	0.8562761	0.8344058	0.9530861	95093250
Phase-1 RCT-171	0.91602457	0.920393	0.0000000	0.30450	0 6947604	0 64119524	0.6801839	3.71997726	0.687106	0.8079531	0.9224354	0.84551483	0.78409696	0.7808216
Phase-1 RCT-83	0.6125678	4 5345057	0.030 1904	0.7676816	0 72315955	0.8639491	0.8046289	3,70907915	0.6282733	0,5002535	1.6370288	0.7148238	0.77083343	0.9427805
Phase-1 RCT-270	1.4584894	2505050	4 0507334	4 00055	1 0419124	0.9732332	0.9196683	0.9711775	1.0159525	0.8498335	13282315	1.0684748	1.1870705	1.3934805
Colony-stimulating factor-1	190000	1,0330334	0.0132724	0 93065923	1 1300417	1,0289325	0.90722704	0.9293222	1.1030726	1.1257712	0.9174778	0.80555274	0.9424165	1.1603316
N-cacherin	38703000	0.77067138	0 8062446	0.90665746	0.87591773	0.7920192	1.1037198	0.908813	1.442851	12260314	1.0035723	0.7364192	CION LEGICAL	1,0797102
Phase-(RCT-52	4 4462643	4 164R675	1-025776	026341	1.0402964	1.3031038	1.2848145	1.3065562	0.8316691	0.85216814	0.94984674	0.9706572	1.1/02//1	74247496
Phase-1 RCT-22	0 90603733	0 9031281	0.9976614	1.0689057	0.98594546	1.1461328	1.076572	1.0109092	1.1071584	1.0340213	0.852381	1,3636103	0.0326700	A 174 124 0
AT-3	0 892825	0.89008194	0.8773513	0.90315026	0.93329567	0.98563415	0.99599665	0.9141742	0.8990918	1000000	4 4000000	700000	1 0089142	10251856
Phase-1 RCI-16	0 97973585	0.90732455	1.1024798	1.114093	1.0483193	0.9419664	0.95982987	0.9504537	0.9031625	0.0483390	4 0027950	4 4357505	1 0863576	0.8582548
Phase-1 KC1-123	0.8948315	1,2325038	0.8004535	0.85509694	0.724544	0.67830163	0.7355408	0.84205216	0.94500.36	1,000,000	1,023/1000	- 1201		
Frase-1 No. 1-50								AT00500T 0	0 746545	0.7820436	0.8582106	1,1219658	1,3089018	0.8489566
Equipment in the control of the cont	0.6052924	0.62288547	0.7999385	0.8698392	0.7068555	0.64839566	870/3	0.73033074	4 207445		0.85139745	1.5878892	1,4378595	2.269994
Girose transporter 2	1.1687453	1.4293778	0.91633123	0.7663573	0.755903	0.4313325	0.88332383	1.120374	2 2008 10R	4 807093	1 0519062	0.8065096	0.66369104	1,370055
Multidrug resistant protein-2	1.5341338	1.4369769	1.1304655	12284033	1.0421556	1.6091955	1.156/88	1 1378768	2 2431374	3,562903	0.90741515	0.70096517	0.53402233	1.1264709
Multidrug resistant protein-1	2,3346238	2.0958498	1.9443434	CECE122.2	1.307 1070	1,002,000	1 2017048	1 3607749	0.6517956	0.7627219	0.8432806	0.8432806 0.40581638	0.5150025	0.8498239
Phosphalidylethandamine-binding protein	1.0585434	1.0226623	1.5485436	1.6243107	1.0204712	1 2770824	1 2377017	1 2076325	0.9288778	0.98915654	1.5438492	1.1569912	12753901	13111224
Phase-1 RCT-180	1.132526	1.07/8638	4 274564	4 6008343	1 4487395	-	1.0398352	0.92653567	0.98377985	0.94782897	0.69543296	0.9495312	0.81237143	0.56439394
Integrin beta-4	1.31148/1	9 0007456	4 6989262	2 0832083	20194879	2,1902692	1.8383207	1.8680952	1.0150214	1.0207524	0.9999546	0.34005773	0.3130526	4 4 90 5624
NADPH cylochrome P450 andoreduciase	4.000049	1.3646675	1 2337272	1,1225349	0.9550196	0.9085765	0.9869537	1,0050466	0.9461719	1.1917276	1.4642729	0.9////6	1,0304027	0 70804214
The American State of the State of Stat	0.5165693	0.6002911	0.8482144	0.9154013	0.74184805	0.9505225	60756	0.7304604	0.7588027	0.48235952	4 4400759	0.70302.5	0 9663908	1 2565209
Phace-1 RCT-53	0.9797668	0.867602	0.85385007	0.82420313	0.91859156	1.0179054	0.9964804	4 0457744	4 038147R	1 2054209	1,1708596	1,2403618	1.4947203	1.1403051
Phase-1 RCT-54	0.84812534	0.907494	0.8142959	90,878,08	0.9316063	0.950/331	00010778	A R969738	1.1026996	1,0807533	0.7429401	0.94926643	1,0464951	0.67269474
Phase-1 RCT-240	1.0712808	1.1249552	0.569402/	0.70675045	0.8410118	0 7564686	0.8595868	0.94851345	1,1329513	0.97196394	1,464994	1.3798045	1,7377734	1.4363519
Osteopontin	1.085100.	1.0320203	4 5234775	4.7808BE2	1 286136	2 308668	1.1478586	0.9430128	1.0046932	1.1150111	1.3125087	1.2922047	0.73254293	1.2682252
Organic anion transporting polypeptide 1	1.100433	1.102330	1 1260324	0 93200153	0.8667875	0.845048	0.9384606	1.028387	1.0802159	1.2358574	0.7835903	1,7342552	2,85410/4	1.1825397
Phase-1 RCT-241	0 7312568	0.8186276	1.2516875	0.9065136	0.95987433	0.8069182	1.0030282	0.9462118	1.2123314	1.0301903	12323889	1.12(1)	1,001,011	1.1360004
Lissue taccor partmey intuoco.							10001000	0.500530	2 2062007	23434613	1,93203	1,1681572	1,096278	1.2912824
done)	1.099315	3 0.9859917	0.69027317	0.6254472	0.692018	0.88601375	0.7304155	0.egenesa	0.8996584	1.1383564	0.5197685	1.2719193	0.96762824	0.6247462
Phosoholipase D	1.79132	2.1226172	0.8770969	1.205255/	0.8963015	1.020/1/1	0.000430	0.81754875	1 2582023	1.6753571	0.6571651	1.5041195	1,3855762	0.91619897
Phase-1 RCT-39	1.234843	1.1883724	0.8971985	0.8877647	4 0007404	4 0504468	1 2900573	1 1637061	1,0213588	1,0051054	0,9689177	1.08788	1.0943451	0.9582508
Phase-1 RCT-258	1.028073	8 0.9707963	0.8468908	1 0606307	4 0380102	0.94721204	0.986686	1,0371937	1,310019	1.3834969	0.5816085	0.86168367	0.8893809	0.9677964
Phase-1 RCT-113	1.14555	478774	0.8130658	0 9281134	0.90936303	0.63442373	0.8526223	0.9397308	1.0449245	0.8691805	0.84207547	1.4645058	1,5024200	3 604367
Adenine nucleotide translocator 1	2 696267	4.6598697	0.9496379	0.50308814	0.6561565	0.441198	0.7183224	0.63157027	0.6833422	0.5940558	24583256	7.890794B	0.6447246	0 42449245
Appa-1 and giyopanian	0.9394023	5 0.829756	0.83702844	1,095187	0.8182763	1.2639391	1,0385972	1,7318316	1.1652542	1.1843//2	0.00000	0,4540205050	2000	
MING GRESS IN SIMPORT OF LATE VOICE COMME														

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	******	4 644 6648	C ROBEGET	4 64466481 O B2850671 O BR306236 0 B2173914		0.8449113 0.77970564			1,5223431		30000	1 5000000	4 9744639	0.0284366
Organic cation transporter 3	1.0000	2	0000000	1.01 1000 0 000 0 000 0 000 0 000 0 000 0 000 0		0.5694877 0.72094613		0.9248941	1.1681557 1.4463363	- 1	10.04140	1	1 2022042 0 50025077	77030000
pha	1.1791088	1.0043303	0.000000	100707700	1_	0.9895021		1.1086555	1.16691	•	0.8747559	1.042(5)3	7 20 20 20 20 20 20 20 20 20 20 20 20 20	1000000
	0.94863844	0.8375707	0.7800097	0.8375707 0.7808397 0.8770730 0.83001300	٠.	1_	┺.	1 2278699	1 2278699 1 2784302	1.2458508	0.8037106	1 2291647	1.3485912 0.5/88903	0.07603000
PLOS 4 DOT 45	0.9924157	0.96512496	0.8353957	0.9924157 0.96512496 0.8353957 0.830/4284 0.8312112/	4	1	1 24 004 75	1 4374211	4 24 20 17 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1		3,1657946	1.2098377	2885737	1.8240/16
	1 1436758	0.9743665	1.0919174	1.0919174 1.0283773	1.2735505	- 1	210017	200000	14100173 0 544700CE A 02007778 0 5450613	L	1 0459129	1 0459129 0.9988063 0.80768555 0.98944014	0.80768555	0.98944014
ogernase, cytosonic	0.4781220E 0.52471316 0.68720528	0.52471316	0.68720528	0.622607	0.4614071	0.7746	0.62/881/	1.04170300	0.02031220	75646200	2 060871R	2 DEN 1 1 0054439 1 0387983 1.6078391	1,0387983	1,6078391
	00407065	78526163	0.7868117	0.01070cE 0.78526163 0.7868117 0.7725535	0.7189452	0.7283643 1.0961493 0.76307045	1,0961493	0.76307045	Socoloro,	U.816303 U.73143224 1.33712085 1.0508288	08863864	0 93712085	1.0509288	1,1354331
Phase-1 RCT-189	20000000	4 500655	0 89021707	4 EDNESS D R9071707 D 78913873 0.84834254	0.84834254	0.82212615 0.74228276 0.73424464	0.74229276	0.73424464	83.	0001180	2002500	4 226008	1 5557574	1 4978704
Alpha-fetoprotein		0 0776407	1 0227689	1 m27689 1 1195464 1 3460073	13460073	1,5681044	1,5194654	1,3890908	1.046298			4 3716/84 0 00010708	0.00010708	1 0743205
		0.01/0197	4 062405F	4 0624066 0 0260463 1 0404052	1 0404052		1,0713588	1.0337911	0.7932914			1.37 10401	2000000	1 260883
nogen activator		1.077437	2000	2000 0 00044700 0 0004740 0	2557620		1.0593444	0.9458753	0.8079748 0.7724025	0.7724025	340205	משנושני.		1 0544435
	1.0832429	0.8672/03	0.0451.08	0.007 1 1303	0 5426720 0 38188384 0 55984473	18188384	0.55984473	0.7068695	1.3316345 0.9650653		1,77,26935	0.8626916		20077700
dina protein		0.67149425	0.7414303	0.7414505 0.67297137	4 4772044 4 3486265 4 4271222	4 3486265	4 427 1222	1,1256844	1,0562371	1,0562371 0.8536232	1.1748092	1.0821742	1.1//02/2	1,001/105
Abbe 1 momentum finiteliamin grecursor (Ambb)	0.82842636	0.9178771	1.108238	1.108238 1.0220344	1000	4497564	4 07777552	10177476	0.800716	0.800716 0.7596816 0.8359998	0.9359998	0.9021784	0.9021784 0.93244845	0.7330300
Obsert DCT 294	1.0456845	1.0165571	1.1793431	1.1508029	1.045438	1.045456 1.113/301	4 7244540	1 1509354	0.9217278	0.8518984	0.8518984 0.92820656 0.87500155	0.87500155	0.9847531	1.0309957
PROGET AND AND AND AND AND AND AND AND AND AND	1.0418745	1.1052159	1.2155454	1.2653539	1.1510245 1.452/2/6 1.554516	1.452/270	000000	4 44 3 2 7 8 4	1 000001	4 1299484	1 1299484 0,77806026 0.8739955	0.8739955	1.2169837	1.2169837 0.77556585
PRISE-1 POL-101	1 1354426	1 1354426 1.1798067	1.1979158		1.0454826	0.946207	0.94620/	1.1.000	4 4000742	4 22m2m3	4 220203 D REP5025	0.9583271	1.119747	1.0156262
Phase-1 RCI-136	4 400004 4	4 1173REG	0 77668995	4 4 4 4 7 7 8 5 0 7 7 PS 8 9 5 0 BOB306 8 3	0.8545653 0.75862586 0.81834686	0.75862586	0.81834696	- 1	1.1909/42	1 202020	2000000 0 000000		1 2524043	1,1093826
Phase-1 RCT-221	1.1000014	4 200769	0.07525375		0.7704823	0.70444171 0.80665624	0.80665624	0.7995034	12/4340	1,232,103	0.00400100	1 9001000		0 7357841
Phase-1 RCT-235	1.193043	П	4 0007400	4 2003574	0.0022554	1 7689704	1 7689704 0.9815859	0.8455374	1.0470886	1,308735	1,308735 0.74752533	0000000	0.0457476	1
Organic anion transporter 3	1.0284556		1,090,139	1,0/88183 1,090/199 1,200,001	0.04544908	4 0439895	4 0439895 0.7853538	0.8213148	1,231405	1.1117179	0.7683936	ᅃ	0.0437170	- 1
Matrix metalloomteinase-1	1.0331739	1.15458/6	0.76255707	1.0331739 1.15458/6 0.78259/6/ 0.78120/63 0.815414E 0.30105899 0.61636084	0.01341350	0 20105898	0.61636084	0.6616924		0.8886156 0.5161849	2.495853	- 1	1.0747353 1.2703173	120001
I Mean protein 2 orecursor	0.40298435	0.42798862	0.64932567	10070100	0.31323613 UAG031113 UAG05061 0 65874666	O BORAGA	0.65874666			0.6472754 0.82816195 0.97290665	0.97290665	١,	1.0761435 0.91478366 0.8317735	03217158.0
Phase-1 RCT-212	1.1462754	1.2530912	1.0377884		0.049000	in a								
(1) Gene expression data for 6 hour timepoint are													,	
presented as mean ratio of treatment/control for all b														
hour predictive period (label 10).														
(z)														
(3) Individual animal number												_		
(4) Liver inflammation classification for compound-	_													
dose group at 72 h: yes-next, necrosis observed; yes-												_	_	
both, necrosis with inflammation coserved, no, no														
(5) Predictive gene (as in Table 18 and as included in														
Table 26)														

														Γ
Table 28. Expression Data for 6 Hour Timepoint (1)				1			1	1				Г	П	
۲	00 4 GO	EDV 160	EST 0.1	EST 0.1	EST 0.4 E	EST 0.4 E	EST 0.4	ETH 2500				GAN 50	CAN 50	GAN 200
	ş	35.3	1422	473	1431	432	8	131	8	8	2441	2442	3	250
Animal Number (3)			+		+=		02	9	2	8	2	2	2	
Liver Toxicity Inflammation Classification (4)									2000000	A dCeros	0.00000351	0 047 1055	1 0208721	1.1879667
Gene Name (5)	1,1768588	1,1011612	0.9709111	0.9024676	1.0365711 (0.86086005	0	0.87844504	0.8526927	0.86533914	0.920001	0.00146816	0.843108	1 1492278
Insummer grown racial minutes process	0.9856488	0.89152616	0.79830744	0.93423563	0.75830805	0,76985246	0.91209847	1.1874509	1.0804772	1 2023200	4 0670402	1 0278081	09171689	1.148303
Caddilas	0.9444807	0.7075344	0.71237853	0.97698593	0.8141762	0.8086494	0.6411319	1.3958893	0.88886/5	7.3004/17	0 00003145	1 0079533	1,0396165	1.055413
NIPK	0.88638276	0.77936375	0.77597606	0.9050878	0.9946584	0.75/6/833	1,000434	0.820030	1 4408347	1 109679	1 1618222	1,1881638	1.1985086	1,3905112
Cathensin L. sequence 2	1.3247303	1.0981913	1.0770248	0.9072449	1.0091324	1.4356339	1.1303001	1 2784023	0 9541441	0.93794405	1,2820069	1.10049	0.9722828	1,556585
Heme oxygenase	1.402268	1.5469931	0.90080196	1.0055888	4 436044	4 9077105	1 BOARS	0 85364234	0.9940829	0.86179256	1,0467349	1.0461495	1.1004812	1,4497476
Phase-1 RCT-109	1.3994707	1,318573	1.2119268	1.1004260	1,433341	02376701	1 3688476	0 84810615	1,37006	0.B6147445	0.71810126	0.76404	0.7257874	3,76057225
Phase-1 RCT-111	0.857448	1.0432435	1.1/36102	1.1301/13	1.034022	1 0000460	O BORREGE	0 98736835	0.97887063	0.90839297	1,4169972	1.447407	1.3660539	12777408
Argininosuccinate lyase	1.3112205	1,9899453	1.0433547	000000000000000000000000000000000000000	1.100//3	4 4540443	1 6133766	0.82147944	0.96040606	0.9661346	1.185416	1.2058958	1.0895838	12261142
DNA polymerase beta	1.4402336	1.3865006	1.0640133	1.0245036	1.2443330	CH-0101-1	1 2074 454	A 970770RE	1 352824R	0 8956333	0.7270428	0,7861224	0.7458675	0.7501287
Phase-1 RCT-103	0.9503421	1.2609563	1.1825998	1.1221666	1.0330445	7/008701	1.030/ 104	0 7500GE4	O GYZARGA4	0 92546135	1004737	1.016706	1.0446883	1,0375102
Othosomel antein S9	1.7618399	1,6397167	0.8952755	1,0680555	1.2527425	12516187	1.6165446	4 2424264	4 0740827	1 0672469	1 0408189	0.91303605	1,0443072	1,0215552
Dhoca-1 PCT-114	0.8459878	0.9856398	0.9061334	0.95895296	0.99849075	1.1721804	0.978297	12124331	4 4400404	0.6889578	1 1593689	1,1224626	1,1837616	1.208211
Phase-1 RCT-15	1.0356091	1.0584905	0.9674718	0.91955256	0.71341854	0.6525285	0.56955474	4 0744747	4 4770593	1 6661495	1.1650777	1.1493648	0.91380924	1,5790453
Macrophage Inflammatory protein-2 alpha	1.0556844	0.98809993	0.81209195	0.9934964	0.6536978	0.083800	0.0000	-						
NGF-inducible anti-proliferative putative secreted		,	0.000000	0000000	0.07532433	0.0171475	1 3298756	0.8220695	0.81479526	0.88858664	1.1781976	1.10827	1.0217746	1,0031441
protein (PC3)	1.203858	1.5061103	0.04932334	0.9000909	0 0484074	1 0595748		1.1330929	0,9174525	0.9695922	0.8894708	0.8922458	1.0236179	1.1091336
Phase-1 RCT-191	0.5102664	0.7761656	0.83/33135	4 2472083	- 9	100515770	0 77410394	1,627153	1,9365263	1,3066418	1.0773531	1.1889539	1.1416476	1.4808388
Phase-1 RCT-63	1,1515250	0.8492701	0.0000	20000	4 000 4 000		1 0239228	1 0862715	1.038386	1,306622	1,5087472	1 4295225	1.5196532	2.598194
Cyclin D3	1,2033508	1.1991715	1,0776582	1.5590131	4 0070503	4 0536944	1 3846219	0.8856603	1,3662338	0.96990156	0.72789776	0.8162864	0.7031544	0.7621318
Phase-1 RCT-108	0.7984255	0.66435415	1.1291/85	1.12/4/32	0 07574476	4 4 2 4 7 7 0 3	1 1493211	0 5900812	0.8439579	0.47729516	1,302538	12184724	1.1238049	2,0069048
Phase-1 RCT-56	1.5843325	0.98091424	0.394/23/	4.0027724	4 4 4 4 50	4 4003376	1 1860825	0.7482807	1,0028249	0.7867896	1.0934982	1.1084715	1.0996513	1.2652467
Phase-1 RCT-192	0.9867418	0.67930253	1,03846/3	1.093/1.34	4 000447	0 80506266	0 8070684	1.097275	1.2415928	1.0507032	1.0551605	1,0243926	0,9869852	1.1760796
Phase-1 RCT-75	0.7463875	0.61/863/3	0.3/6314	1.10/3010	0 9466537	1 205E34R	1 0184463	0.9486445	1.1001056	0.9098421	0.8493068	0.86128724	0.9502638	0.9168/68
Acetyl-CoA carboxylase	1.9/0416	1.1805/03	1.934 14333	1 0000001	4 0030496	0 99541795	1 4093237	0.85907394	1.1832753	0.901168	0.8075045	0.8571853	0.72802234	0.8081918
Phase-1 RCT-95	0.831122/	0.0455471	0 00000	Chacker	0 905060B	1 059094	1,1904958	0.9604924	1,0197557	1,1059297	0.89521724	0.86511314	0.B4429514	U.BSobsens
Cystatin C	1.1880338	1,4723004	0.8200253	0.00000	0 88502157	1.0885545	1.0527546	0.93185484	1.0897816	1.09795	0.9540139	0.89800996	0.96684664	1.0124/8
Phase-1 RCT-49	4 4600878	0 89369553	0.60435694	0.9255838	1.1540786	0.9524009	1.3412296	0.7822591	0.8662573	0.66620785	1.103376	1.1495314	1,002/2017	1.0353045
Phase-1 RCT-9	0 8447277	1 0102028	0.6496318	12	0.734883	0.7587283	0.7942495	1.8339617	1.0281488	1.5438823	0.97992843	1,006/03	4C0170CEO	0 70722565
(3a0645	0.9723545	0.90829194	1.123947	1,0163566	1.0244339	0.9837458	1,44,86613	0.83163637	1.1524493	0.93152094	0.7074343	4 2025233	1 6307764	0.8753988
Prase-1 RCI-130	1 5924733	1,6156659	1,4924036	1.3169945	1.2744254	1.1586922	12150831	0.803288	1.0408478	0.7953425	1.18/134	1 0704448	4 0488182	1 1240592
Cottun	1 4400619	1 0136986	0.85405884	0.9440831	1.046854	0.9635861	1.08892	0.91751003	0.8532536	0.95097184	1.0000	4 044 5004	1 0619075	1 0567342
Priase-1 RC I-12/	0.9364313	0.86810464	0,66184276	0.84692293	0.48315987	0.63741016	0.4924438	1,232,168	0.9600214	123001	100000	4 0400547	1 0494119	0 8034117
Macrophage Irainated by Court I divine	0.8141191	0.74666667	1.1954583	1.2009614	1.0538801	1,0335635	0.78481615	0.90776324	1.0340681	UBCORD	10530530	4 4803197	1 1704039	1.0579369
Dhoese 1 BCT-73	1,0219546	1.3858722	0.9591825	0.8852518	1.0457087	1.0116353	10344901	0.8820205	0.93888574	4 034590	1 106620	1.1030624	0.8870734	1,0882293
Christian enclosies	1.03444	1.5683843	1,5630064	1.1189969	1.3755157	1.195/835	13032203	0.6167600	0.000010	0 8245843	1 3808085	1 4672484	1.1691604	1.3317046
Cab-Modeo potein	1.4374032	1.7904607	1.0771612	1.1564987	1.202521	1.1237297	1.10406//	4 2274048	0 0204188	4 4935967	0.9684542	2 0.86780983	0.9119036	1.26231
Phase-1 RCT-242	0.9826224	4 0.87965£	0.67888093	0.8376394	0.82521665	1.3312824	0.7030004	1 2012886	0.9791218	1,014130	1.015355	1.0494449	1.0434613	1.0373479
Phase-1 RCT-50	0.7922196	4 0.740276	0.68423885	0.816301	1.76708354	4 2002754	4 4689374	0 6774882	1.1998724	0.816362	1.079249	3 1.0655756	1.0804625	1,3602378
Elongation factor-1 alpha	1.562170	2.476444	1.41008/	0 04507058	0.95755965	0 85499406	0.96783626	1,300396	0.94456	1 299775	1,024406.	7 1.0878925	1,0542861	1.408833
Integrin beta1	0.845500	0.08361/0	0.3013333	0.75300556	0.9459224	0 7422 (367		1.2816665	1.1535562	1.1137	1.096886.	3 1.0793417	1,0314894	1.2353651
Insultn-like growth factor binding protein 5	T SOCOO O	4 4884704	1 0313685	0.9696836	1 1328688	1.1499255	-	0.9291191	1.1524923	3 0.95753145	5 1.011876	7 0.943804	1,0034841	1.1243318
Phase-1 RCT-59	0.3320340	1 040757	1 10984254	1 238648	1.0165738	1.0181642	1.4599649	0.8451630	1.392460E	9 0.9116372	5 0.747158	7 0.775527	4 2420070	4 0402404
Phase-1 KCI-/6	0.7053678	1 340531	1.261707	0.99828297	12793036	1.1860831	1.4408659	0.67491394	0.91358	3 0.794097.	1.025559	1.1618025	1 5430970	1 0652738
Femin M-chain	1 424750	4 2 153893	13530011	1,1700332	1,3507426	1.0585675	1.3689735	6.671181	1.084193	5 0.7170738	1.43/916	1,3501,350	0.05718463	0.9588855
Selenoprotein	0.9103676	7 0.6426229	5 0.8338134	1.1539552	0.92801636	0.77890956		1,011574	1.00479	1 15/628	1 008060	5 0.846/ UCS	0.9559037	0,8841123
Dhaca 1 RCT-214	0.890198	8 0.8446674	3 0.971120	1.2873286	1.156774	0.9208229	1.0585978	1 00000	1 163/626	0 907105	1 0.87750	1 0.8646436	0.87669915	0.78817284
Phase-1 RCT-112	0.9308910	4 0.7756389	4 0.973100.	1.0362767	0.6614053	0.85866343	0.922122	2000000	O BOTOLOG	1 389512	7 0.986136	6 0.91858023	0.9697653	0.92485106
Thuridylate synthase	0.86521	2 0.549573	5 0.7858300	3 0.99577886	0.8068392	0.7231497	0.6710300	1046260	1 045122	3 0 941618	3 0.847527	8 0.89165016	1,1132888	1.16796
Phase-1 RCT-13	0.788394	1 0.5281657	0.7306090	0.48771128	1,503/3/2	0.910/0020	0.0528492	0.696487	3 0.7626747	5 0.8478583	7 0.809357	2 0.852124	1.3688782	0.6739404
Nucleosome assembly protein	1.041514	3 1395061	3 0./92346	V / 200343	4 9262497	4 4430654	1 253066	1 040004	0.7799749	1.166465	5 0.981691	8 0.9157249	0.9763938	0.9578473
Cholesteral 7-alpha-hydroxylase (P450 VII)	0.8654005	4 0.0563085	2 0 6514845	1.145907	0.52845783	0.77892923	0.8128857	1.371227	9 0.9970615	5 1.284222	8 1.062621	1 1.00644	0.9598447	1.1170382
Vestcular monoamine transporter (VMAT)	12807	7 0 7 1051	8 0 844170	0 93416	0.53624416	0.7945572	1.1428021	1,302631	7 0.805187	9 1,04991	3 0.882285	1 0.851479	0.8336616	0.8384147
Phase-1 RCT-260	ייייייייי	3 4.1 12.												

								10000000	4 704407	4 0053454	4 4016076	1 2684104	1330097	1 6495477
Phase 1 RCT 32	0.8221412	0.9422763	0.9613978	0.9896476	0.9686419	0.8294035	0.9163301	SS/Jeff O	1./0140/	1,00000	0 0520774	1 ORER 24 22	1 0798538	1.0669087
Semiferme assembly factor 1	0.95759726	0.87218094	0.7172187	0.9283881	0.9459653	0.92150074	0.83/4128	1.13/4152	0.9100/914	0,000,000	1 SOZETINE	7 8958565	85190624	99618626
a constantion ONA characters	0.9839684	0.8375036	0.89070165	0.89573106	0.8031693	0.84316546 0	.82559943	1.1797314	1,0118983	1.1508423	3000000	0 8801953	0 9642041	91251785
Proced RCT-80	1.0506724	0.88767654	0.75181127	0.8997319	0.8659771	1.4905599	0.8854067	1.1209044	1.0.34004	1.0342131	92/00/26	0 924070H	0.9647535	75440556
Martin FiG	0.8890115	1.0272851	1,6353189	1,7334503	1.5835391	1,307,3285	1.209018	1.24115/3	0.770340	0.0004347	0.0035845	1 0088302	1 0034544	0.931503
Phase-1 RCT-184	0.9673016	1.2223771	1.1242825	0.96407306	0.91200477	1.0981168	1.04/6953	0.77570074	4 2404062	1 0798645	0 86475974	87747854	0.846267	0.9023772
Phase-1 RCT-168	0.94150996	1.172968	13376229	1.0826093	1,2537,26	1.22/4389	1.41542/0	0 0500240	1 1892052 (R6546135	1.0582108	1.1296128	0.9059465 0	.71491396
Phase-1 RCT-119	1.4355767	1.3798809	1.563357	12203236	1.216/2/4	1,0010030	0 8500158	9940395	1 0354244	1.1274678	0,7558589	0.866868	3.74546504 (.62371933
Carbonic anhydrase II	0.8915655	0.6487432	1.48//0/9	4 0262213	0.0037 137	O BERSONS	85730773	1 0787637	0.9945273	1.0336542	1.0870714	1.0428178	0.9539651	0.9753123
Tryptophan hydroxylase	1.073.522	1.0431407	0 7754407	0.04764134	0.0210100	1 0540559 (83274186	0.9916235	0.9306421	0.840392	1.0546343	1.000265	1.17492	1.1093224
Phase-1 RCT-71	1.1/089	0.7673277	0.07018355	0.87304884	1 0050968	1.0468878	1,107739	0.7940169	0.96048796	38712874	1.0903771	1.152815	1.1821909	1.1555505
Phase-1 RCT-179	1.0310303	0.7487954	0.79648584	0.72629448	0.7817141	2.4560826	0.7034597	1.0535109	0.7583721	0.78250515	0.7647272	0.8119298	0.72745204	1,58603245
Phase-1 RCI-161	0.032.10030	0 70493473	0 7746823	0 90388951	0.8604938	0.73179746	0.6295563	1.1092855	1.0044167	1.0210335	33235683	0.9070539	1.0003488	1.14/6363
Phase-1 RCT-207	4 0724643	4 110838R	0 7681992	0 92557245	1,0001702	1,1296295 (0.97778416	1.0644376	1.0153602	1.0941297	93486674	0.90508366	0.9585/45	1.24.33091
Phase-1 RCT-144	0.7503404	0 8105771	0 9421056	0.8247786	0 73440367	0.93631715	1.0031679	0.7578877	0.6707206	0.7501528	0.9744781	0.963665	0.86962424	B086166.0
Phase-1 RCT-225	1 0403401	0.0183111	1 2084614	0.9576892	0.9481482	0.97044235	1.0339531	0.9555704	0.80023396	1.1395278	1.0104347	1.0767244	0.7984472	0.7771584
Cytochrome P450 ZE1	0 94155645	0.68708116	0.7769845	0.98261875	0,884069	0.8581831	0.8763377	0.9775443	1.0918127	1.0781168	0.933121	0.93440384	0.94500/65	1,88303783
Telements 1 (Text)	1.6292542	1.8406374	0.9015483	0.8520425	0.86626774	0.9274285	1,2117405	0.85553724	0.8410054	0.9198303	1.1532905	1.0181453	7.27059	0.9682804
Codemic polydrase III	0.27025884	0.54109955	1,8491436	0.894806	1,2231811	0.55854505	1.0962778	0.49259812	0.3565/047	02/208198	0.50003/45	4 400000	4 0478745	1 0788872
Phase 1 RCT-140	0.77207625	0.7469449	0.8802118	0.91166174	0.8979649	0.78086156	0.6707725	1.0425947	1.13266/2	0.97779465	4 430815	1 1295311	1 1416992	15123183
Complement component C3	1.6373163	2.541942	1,6290432	1,6561596	1.894994	1,4485755	2.0178778	0.77800894	1.0320320	1 0549194	0 6670471	0.69913805	0.7005901	0.8022448
Glucokinase	0.7758472	0.66276217	1.3439231	1.3213698	1.1481795	13/1239	1 8385235	1.0123313	0.0010000	0 05480144	0 95539826	0.9664109	0.92851204	0.9657854
Phase-1 RCT-173	0,84644973	0.6069217	0.98719376	0.82325187	0.8517861	0.7750775	0.7044 1353	1.000/ 180	4 meruni	1 0282742	1.024571	0.96245104	0.97626615	1.067528
3-methyladenine DNA glycosylase	0.79176337	0.6231495	0.8889163	1.1549817	0.7771847	0.9430100	4 04007	790509090	1 118123	0.9031642	1,3529346	1.3456603	1,4140025	1.2194929
Peroxisomal multifunctional enzyme type II	1.0099907	1,8145205	1,3331455	1.1944213	1.2086265	1.1501/00	1.01007	0000000	0 988997R7	0.8768415	1.0836779	1.113898	1.1622858	1.042037
Phase-1 RCT-40	1.1141518	1,5901107	1.1488858	0.89982035	1.0830339	1.002/02/	20485048	0 5658374	0.73004746	0.71861213	1.0314611	1.0598552	1.0853969	0.9286421
Senescence marker protein-30	0.8227952	1.1829493	1.5419149	12839411	0.7455577	00805050	5060293	1 4022173	1.0101626	1 2929996	0.9957031	1.0076788	1.12747	1.2449757
Cyclin G	0.83904403	0.8426447	0.7166862	1 26726	1 1440667	4.4985R4	1 0716753	1 0264399	0.9282906	1.0704973	1.0858425	1.0266176	0.8307991	1.1014501
Melanoma-associated antigen ME491	1.3312546	1,418/105	1.1030003	0.096679	0 8432651	0 8210998	0.8000804	1,1574198	0,9368496	1,0397706	1.0609226	0.9939039	1.0411754	1.0909965
Phase-t RCT-28	0.9836069	0.71302604	0.7354333	1 0572027	1.1077341	0.82912457	0.8847648	0.8820133	1.0722513	0.9613263	0.9293455	0.88956404	1.0037388	0.748053
Emerin	0.7302034	2 0735126	17774692	1,4445485	1.1666741	0.9214266	0,9694988	0.7766394	0.9127093	1.0443631	0.857964	0.86627877	/9053/0	0.8033344
Alcohol denydrogenase 1	0.79911965	0.71634376	1,2561315	1.1956148	0.861441	0.8286937	1.0669761	0.86317974	0.8771512	0.839173	1.0048153	1.01/4483	1.0020477	0.000450
Stem cell rador	22744675	1.457707	1.6557735	1.1437855	1.1221539	1,3145792	1.341305	1,4398396	1.0845029	1,4066427	0.9183365	1,003/649	0.003030	0.9011092
Darkets & maries absorbedance sinhs	0.9777128	0.6607116	0.8099219	1,0223559	0.68404204	0.7633085	0.7836847	1,5049736	1.0312555	1,3365917	1.083007	1,023073	0.000352	1 2021704
Protest tyrusher prospersors again	1.0385654	0.9657497	0.882597	0.95159966	0.879663	0.6863385	1.0278572	0.91261166	0.88024294	0.78128594	4 244406	1 0021634	1 145659	1,2883147
(Ibicultin contugating enzyme (RAD 6 homologue)	1.369906	1,1755967	-	1.1235083	1.1700889	1.3017168	1.4262236	0.7525/814	4 4407941	0 91378635	1 1671149	1.1535813	1,1415415	1,4156852
DNA topoisomerase I	1,4878061	2.205883	1.6372882	1,6486973	1,8595204	1,487,2819	1.0460041	0.8511196	1 0523498	0.82326305	1.4219652	1.3210025	1.157926	1.0182133
Phase-1 RCT-280	1.0611261	1.8882008	1.3503130	4 0834802	1 088066	1 1309911	0.9818796	1.1272775	0.921368	1.1746732	0.8673803	1,002781	1,0239928	1,0910516
Supercodde dismutase Mn	1.4110467	1,4500973	0.08435795	1 0475734	11117284	\$29Z9Z6 0	0.85228705	0.80491745	0.90243727	0.7973308	0.795205	0.8545832	1.1169184	1,3057603
Beta-tubulin, class I	4 033474	2 3303612	1 6723456	1.2911649	1 4282696	1.5306454	1,4037429	0.9238005	1,2237756	0.8261807	1,0769815	1,2368804	1,0463015	0./08/421
Carbamy phosphate syntherase i	0 9875365	0.7555912	0.9083596	0.98166287	0.9646136	0.93745977	1.0029544	1.1045723	0.9602213	1,0825262	1.0372117	1.0599191	0.8/515634	1,2324079
Discharge and Section (Cheer of PCT-141	1,8370632	2.019231	0.8543254	1.428568	1,0820501	0.9276283	1,117298	1.211239	1.1792479	1.1859727	1,7788303	1.3/12033	410187	1 1699277
14-3-3 zeta	0.7600928	0.69122475	0.6859844	0.81451356	0.7807224	0.6778676	0.59685128	1,0457047	7.014135	0.7345026	0.5187469	0.62064207	0.8118091	1.4821295
Gamma-actin, cytoplasmic	1.2672209	1.4954495	1.1369436	1.0651785	1.551992	1,01418/	1.61405/3	0.725181	1 0808575	0.7949693	0.946975	1.0558317	0.97992706	1.3410084
Ribosorral protein L13A	1.3930826	1252//16	1 70/274	1.5320004	1 2846203	1 5491813	134464	1,0037687	1.2603924	1.1727812	0.93291587	0.9278259	0.917038	1.0861006
lkB-a	1,511150	2000000	0.75443637	2008300	0.7586916	0.6571576	0.7016456	1,1419393	1.1070448	0.6952279	0.90998554	0.90840834	0.9454216	0.68188483
Phase-1 RCT-65	4 0473876	0.015085	0.8925537	1 0495192	0.6597843	0.7935768	0.6889894	1,594034	0.9953411	1,2989212	0.92015606	0.9708573	0.85298485	1.0392345
Columna description (Points)	0.9034101	0.8918682	0.4914708	0.66062	0.5438997	0.47763473	0.4814604	1,1655014	1.1333174	0.8168195	1.1970849	1.064776	1.2463431	7,0/30830
MAKA Cod reductions	0.73259246	0.6366980	0.9798624	1.3023512	0.99105334	0.7257141	0.75923955	1.0829798	0.9378938	1.1239996	0,8308073	0.01682407	0 98656505	1.4276354
Phase-1 RCT-12	0.8884754	1.004521:	3 0.806007:	0.925131	0.97826743	0.90396327	0.84200233	0.91668373	0.9984548	0.87.334.003	0.004 1.014	0.00		
Interferon related developmental regulator IFRO1	,	-	0 0501440	7703676	1 0012RF	1 0996817	1.1304364	1,006948	1.095503	1,2279831	1.3860478	1,3728855	1,4572014	1.7453324
(PC4)	1 806438	1 668854	5 1.047630	1	1.5937763	1.3594155	1.6754907	0,79846615	1.0145084	0.8305616	1,0621989	1.0336233	1.1827425	1 20205149
Glucose-regulated protein 70	0.7389792	0.885764	1,435307	1,1599782	1.2762828	1.3139546	0.97720873	0.7692739	0.94916933	0.62639457	1.3121604	1.473200	0.0046207	1 1200275
Costace 6	0,95818496	0.781639	3 0.9848978°	5 0.9745107	0.89275837	0.6832731	0.9826469	1.2284529	1.0596352	1.380523	1,0213034	1 0499544	0.96080494	1.0792878
Phase-1 RCT-169	1.1181076	0.67876	5 0.6488192	0.8776336	0.51469725	0.7501223	0.9066439	1 2007 7	10492718	1 2352865	1.0782217	1.0739248	1.1294012	1.4902544
Phase-1 RCT-197	1.0100838	1.008673	0.7293165	0.8733414	0.6326824	0.8402673	0.09182391	1 1307684	1,2562939	0.9021536	0.8324536	0.9470553	1,0355276	1.0917329
Phase-1 RCT-34	0.6236930	0.7137.51	1.1337.00	V.SUNSAC.	۷,۱۵۷۷۷۰						İ		i	

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4 12 1	0 9964884	1.76445854 C	,69874865	0.936699	0.5026922	0.5953944 0	78815025	1.3795601	1.0387912	1.1626867 (90861235	0.903/745	0.9703576	0995656
Phase-1 RCI-/Z	92844677	0.6936923	0.9047543	0.936325	0.9326756	1.0181215 0	,85824394	0.9331533	12481794	1.10382	4 02283040	1 1806402	0.9370242	27124772
Pythysie tunase, trussue	0.7682659	0.6338935	1.2018988	0.8265702	0.9453078	1.1644933	0.9835918	0.7743041	4 00772040	1 0332828	0 9211525	0.9629608	0.963623	0.9503008
Phase-1 RCT-90	0.8807425	0.64262295	0.7151828 0	91513395	0.7345679	0.5306665	0.7662/63	1,2501033	1 2822978	1.082127	1.0841445	1.1229985	1.0249515	1.0567319
Cytochrome P450 2C39 (alternate clone 2)	2.2703407	3.1142704	1.1792964	1200011	200	0.0036364	70354368	15006337	2 923179	2,3241203	0.9528632	0.8924213	0.5404746 0	95319194
Phase-1 RCT-290	2.060972	37,1896	0.8/44635	1.1030000	4 0004640 0		0.73377255	1 1537977	12268994	1,0872537	1.2718905	1.241467	1 2372744	1.1703901
Phase-1 RCT-261	0.4630954	0.49776098	1.0773304	1.1825001	1,0004010		13119005	0.8558965	1.0201492	0.7927215	1.5402112		1,2013757	0.7828333
Methylacyl-CoA racemase alpha	1.3272346	2703470	1,000,191	A Approprie	0 75983838	13562611	0 9995139	1,4845357	0.9178862	1.3048253	0.8929434	0.93478688 0	0.79633204	1.1556/4
Cytochrome P450 1A2	78490815	0.66743023	0.76560676	1.1249744 0	0.67635685	0.6032866	0.7115887	1.0395828	1.1870173	1.1229293	0.8276283 (0.9193868 0	9/30200
Phase-1 RCI-29/	1 8255816	13874984	1.6165317	1.1196383	1.335622	1,589466	1,5097708	1.0098999	1.0955031	1.1364224	1 2052016	4 2228354	Ŀ	0.75134325
Monoantine oxidase b	1,7190392	2.0050447	1.1094525	0.8576015	1.4402976	1.0630476	1.6655456	0.8301024	0.90842694	0.89262040	0 0443634	C 8073623	0 9329214	85531104
Priese-I No 1-204	0.85286003	1.0430323	1.0643578	12538161 (_1	0.7232987	0.736896	1,2497065	0.6560204	A R262463	1 1731518	1 2068523	1,3099527	1.0375805
Phase-1 RCT-143	1.350643	1,4863532	1.0250722	0.9758554	1.0305703	1,1258545	1.2071391	05012474	1 1629089	13573	1.0537518 (0.97683454	12422366	1.2355757
Phase-1 RCT-251	0.86422986	0.5608345	1.116351	1.0994359	1.1849995	12342/4	1.151554	0 94140947	0.8197872	9008	12159681	1.2382892	1,0799451	1,01543
Phase-1 RCT-117	1,3241615	1.083835	0.90012133	1.1200437	4 0550184	17365681	1 0506797 C	0.91421735	0.9347319	0.9777403	1,0287149	0.99690443	1.3063029	0.8694377
Gutathione S-transferase theta-1	0.89585185	0.68402445	1.1/68502	0 8787451	1 0412823	0.8919676	1.205253	0.9077408	0.97877634	0.9162662	1,130551	1.0753245	1,0782132	96294254
Phase-1 RCT-91	0.8533818	0.814304/0	4 2013508	1217122	1 0002224 (0.95562845	0.9681691	1.0117407	1.169317	1.0356636	0.99045044	0.8726285	.96630585	0.845/059
Phase-1 RCT-148	0.30001.044	4 50453	1 2300553	1 120563	1 1957966	1,1959169	1,302814	0.90689224	0.9245374	1.0166711	10/56/52	1.00504/	1,025,034	0000000
Phase-1 RCT-142	1.44 1350	0.5054236	733068	0 92962605	0,84091944	3,89637923	0,7439836	1.0668336	0.88391286	1,1080499	0.8958713	0.9202662	1363627831	0.8302203 6.3546575
Activin receptor type II	0.00304073	1 0244017	1.8349138	1 2902992	1.3588682	1,3097798	1.0685291	1.4478925	1,3355231	0.90507257	0.8591313	0.357.2027	757877	0 7835368
Glycine methyliransferase	1,1148539	0.8296069	1,2438651	1.2423344	1 2305013	1,2507955	1.6118289	0.7865361	1.270426	1.0102631	4 0620403	1 0402483	0.913403	1.1876755
Citize agentrobic factor	1,5400989	12153813	1,3630351	1.1370887	1.1008909	1.4074831	1.0263567	1,0589136	D.STZUSZ	1.2002030	- WALES			
Gap Lindian membrane channel protein beta 1 (GJb1)				4 4500000	0.0074542	0.03274546	P070F88.0	1.0956777	1.3284904	0.8326295	0.7729152	0.74805397	0.86962086	73031807
	0.75525427	0.90055776	1.2514635	0.8540287		1	0.89180374	1.0622563	0.94304323	1 2306905	0.88647336	0.9060493	3,97889775	1.0138644
Phase-1 RCT-96	0.78813505	1 6782642	0.0010000	10380334	1 0070418	0.99167913	0.98090345	0.9129724	0.9930888	0.9282041	1.1749226	1.1107905	1.0890/85	1,000001
Phase-1 RCT-287	4 6627483	2 184626	1 5107876	1.0931488	1.4755623	1.4761802	1.4909332	0.5919828	0.93945616	0.9206918	1.1987164	12385099	1.3363243	0.7503615
Retinol-binding protein (KBF)	4 2241058	1 8502973	1.3026826	1.0667468	12046661	1.2658523	1.333508	0.7406006	1,3836932	1.0918556	1,0300/4	10/4332	4 0057433	1 0814885
Very long-chain acyt. OA synthetase	1.268869	1,5795851	1,639637	1.4703287	1.3660978	1.236374	1,3629736	0.8776321	1.1516063	0.91606927	4 0481069	0.931.001	1.0924482	12101413
Cotherin	0.73863524	0.63713044	0.7452095	0.8353918	0.9242154	0.7868198	0.8023227	1.0/62134	1 0405254	1 0008931	1 1034634	0.99676838	1.1127132	1.1220331
Phase-1 RCT-145	1,2565578	1,3311044	0.7428051	0.993134	1.0692657	1.064658	0.94745034	0.8769019	1 0840724	0.8954082	0.9512519	0.93842846	0.91914713	0.72408974
Arth	1.1273452	1.2132533	1.3679941	1,0549533	1.0744011	12186/87	1.7054347	0.9203094	0 81120235	1.0049853	0.9050437	0.9133729	0.86559427	3,81803215
Phase-1 RCT-89	1.1330478	1.1262814	1.2705606	1.1112671	1.0349///	0021200	1 4977534	13622067	1.0700077	1,1980573	0.84125227	0.8605072	0.89767545	0.94592106
	1,3267893	0.8026229	0.91334915	0.94133466	0.78533735	4 4374822	0 945547	0.79215616	0.7834363	0,67542154	1.3074244	1.3695967	1.1330676	1.4530164
Alpha-2-macroglobulin, sequence 2	1.6776382	1,0396745	1.102/1883	0.953/990	4 070008	0 9666277	0.96952754	1.0442817	0,9741399	0.972427	1.0932584	1.1159635	12148981	0.99308074
Phase-1 RCT-204	1.0434731	1,098005	0.0400173	4 0001500	0 92196655	1 0128226	1.0511713	1.1920112	0.95737964	1.1377347	0.91553338	0.9933593	0.9857904	0.9995102
Vescular endothelial growth factor	1.151/438	1,044503	70403535	Oct low.	200							, 0.00000	4 00000	2400177
NADP-dependent isocitrate denydrogenase, cycsonic	1.0436294	1.1470474	1.1978151	1.1521425	12737777	1.1491959	1.3239802	0.787567	0.8268277	0.8448204	1.0262348	0.98168474	1.0470169	1.0650226
DNA Minding protein Inhibitor ID2	1.1292711	1.1993064	1.1103067	1.0714403	1.09508	0.92615837	1.2175328	0.69051844	0.59770447	0.7637018	0.7170014	0.8279423	1,193997	0.6285783
Glutathione S-transferase Ya	0.60449547	0.7617848	1.2580222		1.023/611	0.75000	7449795	1 2024765	0.9982686	1,3752815	0.8278261	0.8678529	0.8061225	0.85888577
Epoxide hydrolase	0.8189732	0.7396226	0.5567303	4 4022448	1 5247464	1 2181919	2 0276167	0.7091642	0.89007115	0.84689957	0.94694155 0.994	0.99498236	1.1674411	1.0125343
Insulin-tike growth factor I	1,45///85	1./916126	7705587	0 9556173	0 75461227	1.0693597	0.7056202	1,2155895 0.906265	0.90526503	1,362698	0.8550313	0.891232	0.98457783	1.309/616
Prostaglandin H synthase	0.5634302	1 0426408	4 405B572	1 14 16948	0 93971246	0.9376605	0,69131863	0.9577018	1.0293363	0.9600987	1.1041638	1.0231425	0.53524497	1,0014000
Phase-1 RCT-136	1 6136457	2 060941	1.260331	1,014,2803	12399544	1.2119199	173781	0.59177467	0.7857352	0.84569246	1.1602648	1.1/14804	1 030005	0 9146554
Phase 1 RCI-13/	1.3834597	12551229	1,0138046	0.9984141	1.1292938	1.215963	1,0884936	1.0587782	1.0028249	1.1066622	0.000//00	0.9515366	0.96434057	0.8193692
Hamafa linasa	1,2092385	0.96211916	1.3983309	1.2996442	1.4704459	1.2915946	1,5285751	4 0440855	0.8130048	1 129684	1.1515738	1.1808201	1,0502557	0.95617824
Phase-1 RCT-164	0.8467115	0.9813027	1.1086748	0.9044421	12239376	1,11/155/	1,200322	1.0440033	4 46R5704	1.0916632	1.1958207	1.207797	1.1919612	0.9440939
Acyl-CoA dehydrogenase, medium chain	1,1503515	1.2890052	12321532	0.94433516	1,18/99/5	0 74067205	1 0609009	0 73961186	0.7935889	0.70414317	1,2363359	1.430743	1,5573816	0.77194786
Glutathione S-transferase Yb2 subunit	0.54994065	1.1638448	7.0615/44	0.9774200	0 8774008	0.9028647	0.84121823	1,1205435	0.8633014	1.141594	0.8593889	0.8466866	0.84841025	0.9874023
Carbonyl reductase	0.9061934	10.74503223	4.470207	1 192959B	1 1831284	1,0596065	0.9078267	0.78107065	1.0247228	0.69536674	1.1796415	12981199	1.4106557	0.81689626
Phase-1 RCT-166	1.033/03/	1 8860596	1.9153075	12943536	1.2245175	12587859	0.86888593	0.8369008	0.9132208	0.8125885	0.85650843	1,010425	0.7888316	0.347 107 n 45977 107
Apolipoprolein E	1 776574	3 1045318	1,4323834	1.1547155	1.3735691	1.7116592	1.4407455	0.8143102	1.0359725	0.9507832	0.7478203	0.055300	0 0400877	0.8451275
Christian Chareforse P1	0.6424594	0.80295486	0.6832241	0.88301486	0.59082896	1.0177938	0.71538746	1.1750267	0.87839435	0.3813001	1 0607283	1.0741655	1.1471404	1.4941448
Disultide fermense related protein (ERo72)	1.2297829	1,57664	0.81328523	1.0294415	0.8896733	0.90455735	1.1735273	0.7641024	1 034350	0.7635469	1.0906263	1.0998461	1,1695693	0.8190209
Ribosomal protein L13	1.437806	1.6692626	1.4632972	1.1752366	1.403/60/	1,1202035	1 4441288	0.9215181	1,2161793	1.1943401	1,7282083	1.6751659	1.2966242	1,8004828
Ceruloplasmin	1.373924	7,78292/	1.10/8381	2 0454504	1,4787655	1,4189385	1.130623	1.0331292	1,59834	0.9966307	1.6452599	1.6181357	1.5066	1.8230221
inter-alpha-Inhibitor H4 heavy chain (IIm4)	1,44,650	6.66.000m	1,000 000											

												0770000	1000000	4 0400000
Phase-1 RCT-3	0.8719014	0.8752765	0.81690854	0.8549821	0.8310048	0.7373769 0	74270374	1.0030544	1,2264663	94148556	0.9859567	1 0505/07	0333300	1777777
Fetuin beta (Fetub)	1,2902241	1.87001	1.2659246	0.98522474	1.4290245	1.2185038	1.3095896	1.2058/55	0.89522130	0.6518013	1 1921071	12705381	1.2504106	0.9334315
3-hydroxylsobutyrate dehydrogenase	1.3094753	1 2894554	1.3773757	1.0454545	VELUEZ L	1.0430720	1271 13636	4 44 83 883	0.01 12.12.0	1 2465R44 C	1 90286565	97135884	0.74952304	0.6133111
Carbonic anhydrase III, sequence 2	0.9134101	2.0650778	1,0309578	0.8891279	13243288	1,237.27.04	1,000,00	0.00000	4 0677242	0 8010753	1 1ROE433	1 1978607	1.1678182	0.7675437
Phase-1 RCT-10	1.3700948	1,3141075	12436148	1.265/196	12154814	1.3412837	71017	0.0000	20040406	4443072	0 0501109	1 0663607	1 2457829 (53355634
Apha-2-microglobulin	0.82986856	1.1698159	1.0847135	0.54166364	ecrez I	24/33183	1.0402373	1,0004135	061610067	1 SOUCH IN	91760457	0 9699516	0.8648143	0.7311506
Dynamin-1 (D100)	12192806	1.2649974	12107583	1.11/3612	1.3426348	103343	2544307	1 9470047	0.8827584	1 2751837	83789025	0,838956810	0.88350403	.88880235
Lysyl axidase	0.8109777	0.613699	0.733387	0.502203	1.1101010	4 564096	4 254043	88078243	T.	0 84663904	1.0028826	1,0926553	0.9848213	.71336967
Phase-1 RCT-252	1./80/348	4 4944507	1 454/068	1 2064675	4 M361967	0 97455384	0.8838937	1 0285221	1.6094371	1.0452476	1.2516003	12366166	1,2159976	1.3413879
Phase-1 RCI-29	1 3645763	1 9492674	1 0924875	1.1817787	1.2744539	1.1919564	1.0845056	1.0717726	1.2469356	1.0405946	1.2067676	1,255564	1.2129114	1.9470571
Phase-1 PC1-270	0.9812943	1.1490036	1.078647	1.1241323	1,0854632	1,1083546	0.9250989	0.9836589	1.1781605	0.99491334	1.0267168	0.9505174	1.0754018	1.0297908
Phase 1 RCT-25	1.7418795	1,6228507	1,0961189	1.1046001	1.0791037	1.1009425	1.0491645	1.0021683	0.9435005	1.0019412	1.0088236	10716022	0.98786855	1,0223806
Colochrome PASO 2C11	1.3682029	1.4176861	0.863726	1.0004817	0.9598765	0.77066153	0.9803201	1,2723628	0.9281961	1.3917582	0.7402408	0.0836.09	1.0008417	4 5064747
Phase-1 RCT-202	1.0640984	1.496153	1.1296462	1,0304474	1.1185261	1,0373147	1.1361918 (0.95422333	1.1274407	0.7504938	1.2238872	13087919	12/69/38	1.0304217
Correlement factor I (CFI)	1,9419388	1.9341391	1.3262173	1,3308641	1.3472742	39465	1 2363251 (3.80445457	1.1013768	0.9062752	1.3576508	1,4/0/603	1.2000011	1,00,000
Proliferating cell nuclear artigen gene	1.3857287	0.9707131	0.7581933	0.8950108	0.8150545	0.90858305	0.9223794	1.2937853	0.8267971	122/127	0.8121697	0.000000	00000000	84094243
Activatino transcription factor 3	0.743268	0.6863383	1.1154406	1,2974913	1.1226995	0.8317565	0.79459167	1.1823715	1.1963/83	1.11403/8	0.9130305	4 4 7772014	4 0313377	1 1241587
Focal adhesion kinase (pp125FAK)	1.3911356	1.0130914	0.93224746	1.0970393	1.0617284	1.1731706	1.0618595	0.8702077	0.8051527	1,000001	1,2301/33	0.0035030	0 85074426	70468427
Phase-1 RCT-289	1.143574	1.150601	1.3554294	1.1212798	1,2001828	1.1137056	1.3812559	0.6661381	0.76/1452	1,1032201	4 40077004	0.9949797	1 1285352	1 1419358
Phase-1 RCT-259	1.5666678	1.3334599	0.79343474	0.8839194	0.93931705	1.3295866	0.98446447	1.109886	0.91059184	1124201.1	1.77777	0.3049/32	1 0505461	1
fron-responsive element-binding protein	1.1866817	1.1498272	1,1894493	1,0927458	1.1374741	1.0109282	1.1224977	1.3855858	1.201415	1.4941527	0.9/74/11	0.30000004	0 0804375	1 1343632
MHC class I antigen RT1.A1(f) alpha-chain	0.42779258	0.54296833	0.7571532	0.9681933	0.63959944	0.71219075	0.6002991	1.6403519	1.003002	0,00200.	0.3300.42	00000000	0.881448	A CACCADE
Arvi sulfotransferase	1,9319028	1.1434257	1.6265247	1.1219993	12592592	1.6699263	1,583/331	12562941	1.1392636	1.1300110	0.00000	O BEAEFORT	0.8035038	0.0018841
Phase-1 RCT-171	0.98757577	0.9708443	0.9821231	0.9339302	1.0909424	0.86758145	1.0564957		0.9425458	1.1003333	1.52619.23	1000000	4 4050074	A CORDINA
Phase-1 RCT-83	0.8245855	0.7433325	0.81102407	0.8436395	0.7522541	0.9181684	12139158	0.9012268	0.73314637	1002001	0.0001233	1,000010	0.0053668	7447391
Phase-1 RCT-270	1,09933949	1.1445255	1.4826891	1,0451792	1.2079656	1.2068535	1.3416092	0.9044092	0.5920289	0001/001	0.0344730	4 0000075	0.00000	1 418445
Colony-stimutating factor-1	1.1212391	1.1506716	1.5150774	1.2607093	1,2495036	1,2104498	1,3696338	0.867008	1.1448611	0.943/523	1.0212020	1.0300273	0.000000	0 0880540
N-cacherin	0.7962678	0.9015904	0.9283397	1.0360582	0.97505146	0.8734666	0.84973425	1.000052	1.4846786	1.0469928	0.92412/16	0 05554844	0 8200001	0 9437007
Phase-1 RCT-62	0.9313862	0.76757747	0.9443841	0.82625324	1.0660503	0.8429599	1.1939863	0.9821584	1,000,000	4.0544476	4 0000	0.0056078	O 03084747	1 2008921
Phase-1 RCT-22	0.90777576	0.8395485	0.9738843	1,07777836	1.0355085	0.9713904	0.8493021	1.046/068	1.22/0500	1.0344170	4 4034704	4 0000408	1 0186012	10275601
AT-3	0.92179275	0.9106228	0.8068411	1.0236082	0.8949907	0.9058294	0.85747355	0.87488528	4 0405000	0.1511303	A 8022061	0 89764076	0 878736	0.8876132
Phase-1 RCT-18	0.8832883	0.8746072	0.83984494	0.86016166	0.89245565	0.9490553	0.87670105	0.0833376	1.0453000	4 07 15095	1 00/8393	922627	1 1099734	0.91115797
Phase-1 RCT-123	0.962006	1.0249429	0.7607854	0.90226513	0201103	4 6063 700	4 4513090	0.0034177	0.9727401	5080905	0.8890766	0.846912	0.9916784	1.1643823
Phese-1 RCT-66	0.93728745	1,2358134	1.1268495	1.06/2/8/	97/02/0.1	76/80601	1.4313002	0.01300477	0.0000120	200000				
Equilbrative ntrobenzythionosine-sensitive	2040000	0.0044260	0 0000414	0.836349	9050036	0 8004107	1 2377571	0 83805704	0.71427625	0.7641416	0.8881791	0.90572804	0.99629754	0.79613787
nucleoside transporter	0.8563785	0.3614203	4 900004	4 2470046	0.0030320	00000000	4 0017353		0 9504385	1 2355084	0.9421545	0.95030504	0.773098	0.8565356
Glucose transporter 2	0.92348763	0.001200	0000001	001760	74477664	4 4467476	0 7770512	1 3700577	0 9252889	1 2510734	1.0185406	0.9867887	0.91760045	1.0745374
Mutidrug resistant protein-2	7.14664767	0.0473773	4 460759	0.9601741	0.792429	1 1376871	0.73037475	13454603	1,1751854	1.2407064	0.99816626	0.9740811	1,0101204	1.2810079
Multidrug resistant protein-1	0.90320137	0.045900	4 4637780	1 2492201	0 97 17801	0.9256471	0.7287727	1.1429607	1,5038207	0.846169	1.1057616	1.0902412	1.0848788	1.0659938
Phosphalidylethanolarnine-binding protein	4 4575403	1 0107212	1 1699241	1 2181013	1 1259844	1 2363982	0.90165067	1.0518327	1,3159133	0.99538654	1,2767365	1.1118752	0.9976603	1.2604622
Frase-1 RC 1-100	0 8500316	0 6281672	0.08631066	0.9712826	0.8427226	0.77801627	0.6306737	1.132319	0.95419294	1.137621	1.0233933	0.96185017	0.9904996	1.098962
MADDIL Aschame DASS axidoredictase	0.9177417	1.1091524	0.7434096	0.8848601	0.7097643	0.5861417	0.5288219	1.5357448	1.1617632	1.0528738	0.964665	1.027509	1.0734352	1.020564
Wafi	1,3803123	1.4088452	0.7624358	0.8856094	0.8821272	0.799751	0.8291726	1.1536329	0.93411285	1.1173491	0.9143765	0.92119694	90028-0	0.303333
Endocemus retroviral sequence, 5 and 3' LTR	0.75356585	0.73984635	0.79506445	0.79234505	0.5524822	0.37961715	0.77079123	0.84091264	1.0680732	0.77562577	0.5608555	1.0234230	0.0033343	0.00025
Phase-1 RCT-53	1.2707925	1,4288716	1.0380342	0.91332	0.9379207	0.82388544	0.92413735	0.8706221	1.16/8468	0.88360476	0.0030/4/4	0.3312242	1 2483006	0 9937476
Phase-1 RCT-54	1.0628599	0.7219317	0.9827721	0.99760985	0.9833105	1.0435833	1.0830121	0.84550333	0.81166613	0.0300000	1,022,047,3	0.83330003	0 70015115	0 7589897
Phase-1 RCT-240	0.78106793	0.55679065	0.9571992	1.138987	0.81918967	0.8252067	1.0340723	0.872453	2010107	0.5030404	1 1408113	1 1733186	1 2081922	1.1974768
Osteopontin	2 2399082	2.3402185	1,2530/162	1.0908058	1.094106	1.1010101	0 8008542	1 6810478	4 457278	1 1119916	0.941997	0.9761181	12329247	1.1460276
Organic enion transporting polypeptide 1	1,056722	0.73382644	0.0440676	4 0074444	0.70030700	0.0000000	O REGRESO7	1 0136344	1 0477456	1,0032991	1.3117841	1,0819718	1.0317837	1.3817034
Phase-1 RCT-241	4 2683307	4 1556181	4 0391802	1 1522917	1.087172	1.0362277	0.9414009	0.906368	1.0785034	1,3328459	1.061179	1.0022012	0.996793	1.2770554
Delig dependent brose 4 inhibitor POTkins (alternate	1													
chone)	1.0925272	0.84062034	1.410548	1.6393846	1.023674	0.93835413	1.2954501	1.4057772	1.2420702	1.1377441	0.75924915	0.84600043	0.77310928	0.86582583
Phospholipase D	0.7464501	0.63405466	0.6115469	0.84019085	0.39074203	0.5082839	0.7526615	0.97607536	0.94809103	0.80852216	0.84021735	0.05215094	0.0413451	1 1393917
Phase-1 RCT-39	679096.0	0.7186321	0.7834398	0.95236105	0.6264254	0.8006407	1.0402987	1.3935071	0.9841	1.13242/9	1,0745574	1 0150777	4 4206242	1 056377B
Phase-1 RCT-258	0,9808973	0.9831447	1.0514966	1.1169324	0.9833182	0.90756094	0.74978805	0.9651241	1.042/383	1.0023911	1,004169063	0 0301080	0 8859013	0.9148685
Phase-1 RCT-113	0.76396877	0.8537632	1.0567714	1.2082278	1.0176572	1.0805589	1.0053838	0.92100036	1.2878319	4 0390517	4 00789R7	1 0150184	0.89396656	0.8734237
Adenine nucleotide translocator 1	0.80744684	0.6525706	12100177	1.2070217	1.0993935	1,05/1/5	1.1801167	2 6030443	1 4997794	3 3139992	2 1956968	2 234238	21717777	5.74953
Apha-1 acid glycoprotein	4.438916	4.18439	0.6570235	1.2283838	1.8804330	7758477	0.5139288	1 2249173	0 94546777	1.2048787	0,87356486	0.92684776	0.8431986	1,0397598
MHC class II antigen RT1.B-1 beta-chain	V.0450 IV	U.SUSSOOP	0.03130	1,000	0.00000000	Vit 1 cm 1 1								

														0,000
Ornanic cation transporter 3	1.9435028	1.4173449	1.0096251	1,0687096	1.1920172	1.2287734		0.7094056	0.7094056 0.99967134 0.85455906 1.1509087	0.85455906	1.1509087	1.125/61 1.0611458 1.515/013	1.0611438	519/013
Userowia Individual Factor 1 alpha	0.9126284	0.6216579	0.7798134	1,0380183	0.9327847	0.9546215	1.0939548	1,0771381	0.9900617	1,0801255	0.94216585	1.0771381 0.9500617 1.0801255 0.94216585 0.9605511 0.9208431 0.90426725	0.9208431	C7/07/08
	L.	0 6701385	1 1282464		1.0132947	1.0289285	1.2245867	0.8627787	1.1851069 0.9212502	0.9212502	0.916203	0.916203 0.8742935 0.83649564 0.8240379	83649564	0.8240379
	0.74007424	0 5845181		0 85275406	0 89352655	0.91603273		0.9552561	1.0488483	1.0162268	1.044767	1.044767 0.93711233 0.94939403	94939403	1.040805
	2 404 46 46	2 2004467	2 4044646 2 2000467 4 2020602	1 155594 1 2115399 1 2459149	1 2415399	1 2459149		1.0281216	0.9284128 0.98602873	0.99602873	1.0999607	1.1729221 1.1528748	1.1528748	0.929069
Matate denydrogenase, cytosotic	7 5254594 4 5254584	4 K7545BA	1 2661577	1 2551577 0 09580015 0 85546751 0 65611583	O RESARTE	65611583	1 0383929 0.79553145	0.79553145	0.9584895 0.90755093	0,90755093	0.9835677	1.1126062 0.8280935 0.83776495	0 5560828 0	83778495
VL30 elament	4 0004000 4 5400749	4 5400749	4 5500034	4 EXPANDA 4 2230676 4 5231268 4 2031628	4 5221268	4 2031628	1 4400955	1 0084114	1.0830404	0.9528013	1.0843554	1.0088615 1.0755287 0.7648533	1.0755287	0.7648533
Phase-1 RCT-189	1,001,000 0 9001,000 0	1.3100143		4 00007E8 4 0000E80 4 0050377 4 0746402	1 0252277	4 0746402	1 2074784 D 98100203	0 98100203	1.1294975	1.1082693	0.9889388	1.0150831	0.9235835	1.0374253
Alpha-fetoprotein	4.9420500	0.030/394		1.0200/30 (.0030302 (.02323/) (.0040203 (.02323/)	1 3470445	1 2065365	1 249R592 0.B1973857	0.81973857	1 0295177 0.76543087	0.76543087	1,1313366	1.1794803	1.2160883 0.71899015	71899015
Calgranulin B	000671071	2.2034097		21201230 0 1080310T 0	CADROCA	4 4705279	1 0787047	78712994	4 PODGACO 4 4705070 4 0787047 0 78712994 1 1084479 0 78761923	0.78761923	1.0356759	0.9983143	1,1221168	1,0275971
Tissue plasminogen activator	1.1204304	1 0844753	1	1 2888027	1 2868027 1 1062790	1 0624293	10107511	1.047135	1.0824293 1.0107511 1.047135 1.1088318 0.9024543	0.9024543	1,0005767	1,0534416		0.86819774
Prase-1 KCI-185	1 2735231	1 568836		0.6713243	1 1397182	1.0171992	1,7734525	0.6682353	1,7734525 0,6682353 0,9256212 0.87509125	0.87509125	1.2201571			1.1885684
Liver range accounting process	1 5265242	1 9282435	1 6018815	1 2947071	1.4872696	1,5011393		0.88295346	1,1881938 0,88295346 1,0770204 0,8888501 1,1754105	0.8888501	1.1754105	1.2348591	- 1	0.9632812
Aprile 1 macoglocumiyakumini preculsol (rump)	_	0 6765473	1_	O 87427837	0.7458273	0.7538211	0.7097779	12111757	0.94395465	1,0821766	0.87816995	0.7097779 1.2111757 0.94395465 1.0821766 0.87816995 0.91125256 0.88325113	- 1	0.9555534
PROSC-1 FO 1-234		1 1324193		1.0579021	1.1804786	1,0792055	1,0374317	1.1408068	1.1406066 1.3191522	1.0113878	1.037876	1.0113878 1.037876 1.0498581 1.0365332	_ 1	12781514
December 150		0.629284	0.629284 0.72346425 0.9683364	0.9583364	0.7892445	0.8554878		0.99154437	1.152406	1,0572858	1.0933256	1,0572858 1,0933256 0,99417275 0,9025717		1,0863605
STATE OF THE PARTY	0.00673064	1 2061017	1 2061017 1 (1061291		1 0355052	1.0647916	12703807	0.8347601	12746607	0.89242506	0.78231514			0.8204901
FRESB-1 RC 1-221	0.000000	0 75040734	0.050289	1	0 R291RT7 0 9242295	0.985658	٠-	0.9375747	1.2107277	1,0282974	1,0282974 0,8643346 0,8871032	0.8871032	0.7596452	0.8319896
Phase-1 RCI -Z35	0.37.007.33	0.70437.04	Т	-	O CECOARS	C7C0889 V	0.6848023	1 4125377	0 6848023 1 4125377 1 1905576	12123615	12123615 0.96436614		1.0105271 0.94500047	.94500047
Organic anion transporter 3	0.8121139 0.6501380	0.65013805	ľ	1019/4100	3	442044	4 970404	n 75669657	1 2704248 N 75657657 N 97497843	O RE21512 1 0250927	1 0250927	1,1596609	1.0747011	1.0295709
Matrix metalloproteinase-1	0.81534/85	1.0341303	1,2512	CBC-CSG-C	1,21202.1	CI 44741	100001	0.5765044	0.5765044 0.6765040	0755370 1 2072707	1 2072707			1,0440644
Urinary protein 2 precursor	1,6159259	1.8535622	٠,	0.63843330	1.2042204	1.13/6/203	1.97 80394	0.370009	0.000000		0.0547799 4.0974604	ļ¢	L	1 0006416
Phase-1 RCT-212	1.130138	0.9721732	- 1	0.7315075 0.8424636 0.59629184	0.59629184	0.854425	1.0230330	1.0236830 0.07300020	0.1620112	3	1		-	
											1	İ		Ī
(1) Gene expression data for 6 hour timepoint are presented as mean ratio of treatment/control for all 6														
hour predictive genes (Table 18).						1				l				
(2) Compound and dose abbreviations as in Table 1.														
(3) Individual animal number												1		
(4) Liver inflammation classification for compound-														
dose group at 72 h: yes-necr, necrosis observed; yes-														
both, necrosis with inflammation observed; no, no histographology observed						•								
(5) Predictive gene (as in Table 18 and as included in								-						
Table 26)														

National Circle National C															П
Colonia	Table 28. Expression Data for 6 Hour Immeporin (1)				П	П	П	T	П	Т	HVD 250	HVD 250	HYD 1000	HYD 1000	SON 50
1,1279.02 0,1779.02 0,1779.02 0,1770.02	Compound-Dose (2)	GAN 200	GAN 200		8	1	ž	2	33	21	2	23	ᆵ	9	1941
1,000,000 1,000	Animel Number (3)		1		77	3	3	1				9	9	2	8
1,000,000 1,00	Liver Toxicity Inflammation Classification (4)	٤	8	2							100	0.0007474	A 7797754	4 1073048	1 6135948
1,000.00 1,000.00	Gene Name (5)	1.2374921	0.91739535	Ш	1.1452451	1.4183425	1,0239638	1.0873212	0.9726707	_	1 0955021	12753471	1,8127629	1,3033437	1.2639818
1,405026 1,055026 1,055026 1,050026	Gadd153	0.9373988	0.9648556	1	1.1455681	1.116924	1,0480/02	1.143/33/	0.9852383	1.3697301	1.2445552	1,3963808	1.7979863	1.3446151	1.2089368
Comparison Com	o-myc	1.0157576	4 10833143	0.9591495	1.1009685	0.9697488	0.974451	3,94964355	3,97591704	1.4792056	1.1551942	1.1605475	13261899	1.1046464	1.0188811
1,000,000 1,00	NipK	1 6897217	1 6290381	13454994	0.796142	1,1158152	0.85378385	0.91430545	1,1194373	0.8249791	0.81057245	0.60637355	0.7438333	1 06218	1 0509568
1,1220549 1,442 1,412040	Canepsin L. Sequence 2	1,4655039	2.0376222	1,0089239	1.0362954	0.93848497	1.1608035	0.8930439	1.2440006	1.1336204	07175077	0 69962037	0.7153949	0.71295965	1,111306
200 1,200,200 1,20	Phase-1 RCT-109	1.4730349	1.442	12715892	0.8715504		1.0914/8/	37,000,44	85050964	0.9120102	0.7260567	0.6458811	0.9514545	0.70567405	0.9384992
1,344/190 0,245/190 1,175/190 1,175/190 0,24	Phase-1 RCT-111	0.7332835	0.8990381	0.62972723	0.65498847		0.02094232	-	0.01985756	4 468011	1,656183	0.96387388	1,325439	0.6925623	1,640089
1,340/109 1,24/1000	Argininosuccinate lyase	1,6356898	1.5070518	1,5717558	0.891384	4 4404047	0.801203	٠.	1.0760462	0.9698269	0.8044097	0.67450394	0.5627675	1.0235542	0.89916754
1,124-097 1,124-097 1,125-097 1,12	DNA polymerase beta	1.3840759	124/9088	12193013	ACOBCA O	0.85705717	12	0.69916403	0.7859213	0.8658794	0.5764923	0.5927562	0.99283284	0.89688153	0.90701777
1,0070936 1,440022 0,9501401 0,9502401 1,250250 1,1004201 1,2501205 1,1004201 0,9502101 1,2501205 1,2501205 1,1004201 0,9502101 1,2501205 1,2501	Phase-1 RCT-103	0.786/46	4 553063	1.050806	0.9454512	1.0452622	Ę	1.1646127	1,4541751	0.6665941	0.73505116	0.547791	12003582	1.0888069	1.10414/1
11.5687799 1.2687799 1.26877191 1.262255 1.25879 0.9763299 1.2589709 0.9763299 1.2589709 0.9763299 1.2599279 1.2599279 1.2599279 0.9763299 0.976	Ribosomal protein 39	1.067898	1,144042	3 0.9531116	0.9322121	0.9255427	0.9512395	0.9049935	0.9990867	1.1923321	1,02655/4	4 4840048	1 709R378	1 0844592	1 2936307
1207447 1.050292 1.010229 1.050209 1.050200 0.0504074 1.050209 0.0502005 0.05020005 0.0502005	Phase-1 RCT-15	1.1548798	1.367759	1,1249108	0.9284031	1.2165934	0.8420305	1.1084207	O SPOUZ/UD	1 2098276	1.2100937	1,0129354	1,043825	1,5169259	1222366
Control Cont	Macrophage inflammatory protein-2 alpha	1,6157172	1,69905	1.4845176	1.152255	1,555,	0.3/01930	1,101	2				L_	000000000000000000000000000000000000000	
1,000 1,00	NGF-inducible anti-profiterative putative secreted	4 324047	_		_	1.0159398	1.2538036	0.9814974	1.1384367	0.882414	0.96352667	0.9289117	1 505440	0.85430500	1 1763282
1,1070000000000000000000000000000000000	protein (PC3)	0.966288	1_	Γ	ᅩ	0.959707	0.91242605	0.92368054	0.91644657	2.2844381	1.5199/4/	1.4.201246	24/2/00.1	1 1270219	0.979763
17035961 12035020 12035046 1020204 11020206 10303016 0.6555577 0.65557 0.65	Passe-1 KC1-191	1.100744	1.120789	5 1.0216151	1.3724372	1.1469847	1,235918	1.045057	0.9223254	1.04/835	1.000,000	SOPERAL P	1 4534931	0.9869545	1,0002898
12789561 1257056 1257056 10005681 1565051 10005681 1257056 10005681 1257056	Prize House	1.703625	1.638742	1.0283204	1,3083895	1.1138513	1,1201998	1.0240033	0.9355209	1,255,05	1.2994330 P. P. P. P. P. P. P. P. P. P. P. P. P. P	0.6325417	0.90195554	0.76684994	0.98470724
1, 12,000,000 1, 12,000,000 1, 10,000 0, 15,000 0, 10, 10, 10, 10, 10, 10, 10, 10, 10,	Phose RCT-108	0.715943	0.827208	5 0.80376846	0.6872617	0.6903156	0.69565/7	0.77949664	4 2640014	0 60352147	0.86709386	0.79520667	0.64200294	1.2095902	0.7220631
1,2189561 1,2230456 1,320046 1,3200456 1,320	Phase-1 RCT-56	1,329586	5 1.555197	2 0.99426466	1.1026586	4 0042305	1 2464963	0.9832283	1 2457478	1.6057026	0.9696838	0.840027	0.97031945	0.9921316	1.0206727
1,1751868	Phase-1 RCT-192	1,219965	1,229094	1.16/000	0.9730102	0 9070368	0 9875463	0.985625	0.9916016	1.3885722	0.9898075	0.8976518	1.0570194	0.88819927	1.1892524
October Colored Colo	Phase-1 RCT-75	13/8/68	0.027770	1 0 8178952	0 806961	0.8656976	1.1247956	0.9208205	0.8700843	0.9285855	1,1893504	1.2015167	0.98851105	0.86050333	0.0833430
1,185234 1,100744 1,500740 1,0018224 1,001824 1,0018224 1,001824 1,00	Acetyl-CoA carboxylase	0.793452	3 0.928469	3 0.821692	0.6967977	0.6626431	0.66373694	0.8901171	0,8398647	0.8978378	0.7141261	0.61869283	0.96/1/34	1,0286946	1,0356857
1,182,216 1,180,149 1,180,144 1,180,144 1,180,149 1,18	Prase-1 KCI-60	0.753007	1 0.8295435	3 1,078916	5 0.94572407	0.97382754	1,001089	0.85876995	1.3513546	0.95926 0.8506332	0.6910079	1.1023805	1,1171913	0.9914433	0.9915673
1,142 276 1,144 1933 1,4226-264 1,444 1935 1,442 276 1,144 1933 1,4226-264 1,442 276 1,444 1933 1,4226-264 1,444 1933 1,4226-264 1,422 273 1,4226-264 1,422 273 1,4226-264 1,422 273 1,4226-264 1,422 273 1,4226-264 1,422 273 1,4226-264 1,422 273 1,4226-264 1,422 273 1,4226-264 1,422 273 1,4226-264 1,422 273 1,4226-264 1,422 273 1,4226-264 1,422 273	Phase-1 RCT-49	1,232515	5 1.407705	1.056619	1.2930865	1.0019228	3.8/U6264 1 0003848	1.07 U4323	10145578	1.7952212	1.3067504	0.9253356	0.8880301	0.6733656	0.80321145
1,722,955 1,322,950 0,733,794 0,665,4996 0,665,	Phase-1 RCT-9	1.185239	1.120374	3.562245	1.442/004	0 9981652	1.4607611	1.0111365	1.0017478	1.3256884	1.299629	1.342712	1,4860467	0.89521915	0.95/82465
1,522531 1,2242972 1,0200057 1,0200057 1,020068 1,020069 1,0620	Gadd45	0.783273	0.905002	6 0.8558500	0.7033794	0.6654996	0.6663117	0.7435297	0.8453557	0.86854964	0.6817534	0.61597025	0.95077465	0.710307.34	0.969247
T. F. F. F. F. F. F. F. F. F. F. F. F. F.	Phase-1 RCT-156	1 592551	4 1342997	1,030805	7 0.9353249	1.008876	0.75778115	0.9250956	1.172045	0.88827384	0.7381627	4 0234084	1 1685897	1.1069552	0.95915526
1,175,977 1,10,999 1,0,9199	Etheral DCT-127	1.545044	3 1.853211	8 1.081726	3 1.159566.	1,1620669	1.2713369	1.08586	1.0188742	1 0252994	1 3744569	1,1819838	1,7815073	1,4721205	1.1332567
11222963 11447199 1105471 1055670 10	Macrophage inflammatory protein-1 alpha	1,016090	1,005497	2 1.159397	1.376980	1.1824238	_	0 935887	0.9499076	1.3983254	1,4658945	1.0178479	1.0603677	1.2716469	1.061783
1289753 1340914 0.2511743 0.654094 0.9724679 0.6859843 0.48594346 1.076941 1.0769479 0.95594618 1.0769479 1.076947	Zinc finger protein	1.175497	3 0.919380	1 091249	3 1.016573	1.0230672	1.	1.0083344	1,051329	1,386829	1,4485353	1.372883	12370431	0.9856027	0.9800001
Control	Phase-1 RCT-73	1 268755	134099	4 0.9251174	3 0.85406846	5 0.9724679	0.68638843	0.842947	1,049093	0.89648163	0.82085234	1.495448	1 417115	0 98636266	0.8815243
1.055981 1.055982 1.055403	Gutamine synthetise	2.133342	1,820013	1.016567	1.06079	1.181473	0.89774346	0.85843426	1.0176011	1.0769876	1,094170	13387762	1,3238322	1.1202866	0.9795017
1,055688 1,1551928 0,0550285 1,155595 0,0550596 0,0550	Phase-1 RCT-242	1.206740	1,22384	8 0.870835	3 1.141247	1.0450768	1.3873559	1.0/36491	2596530	1 4154121	1 349374	1.3052951	1.3459699	1.1649827	1,0318154
1,0508-07 1,20195 1,120195	Phase-1 RCT-50	1.056980	1,155192	0.985428	1.135986	1.0054073	1,2311430	0.77237046	0.8664582	0.7571666	0.75298387	0.775552	0.8246187	0.73506373	1.1449325
1.0555483 1.045715 1.055548 1.045715 1.055548 1.045715 1.055548 1.045715 1.055548 1.045715 1.055548 1.045715 1.055548 1.045715 1.055548 1.045715 1.055548 1.045715 1.055548 1.045715 1.055548 1.045715 1.055548 1.0455715 1.055548 1.0455715 1.055548 1.0455715 1.04557 1.04577 1.0457	Bongation factor-1 alpha	1.494058	73267	1.125403	4 1 158356	1 2839816	1.2601422	1.146219	0.98818207	1,4595668	0.973536	1.002573	0.6802101	0.98868495	4 2520446
1.000 1.00	Integrin beta1	1.053857	13 1 04524	1 026200	8 0.8488484	L.	2.0316253	0.8744268	0.9705783	1,1434534	0.886429	1.041986	1,5095291	4 4522045	1 1858968
0.000372394 0.0019053 0.0019053 0.000305947 0.0019050 0.001913459 0.0003143	Insutin-like growth tactor tanding protein 3	1.18387	37 1.24083	1.057071	6 1 021677	_	0.81341976	1.1321657	0.81707436	0.8571282	1215004	1.0/01352	5 0 RAR24R3	0.77469505	0.9725808
1.2416420 12.259528 1.200432 0.54914420 1.2525528 1.200432 0.54914420 1.2525528 1.200432 0.54914420 1.2525528 1.200432 0.54914420 1.135552 0.2525525 1.200432 0.54914420 1.135552 0.252552 1.200432 0.54914420 1.135552 0.2515102 1.251512 0.25252 1.251512 0.25252 1.251512 0.25252 1.251512 0.25252 1.251512 0.25252 1.251512 0.25252 1.251512 0.25252 1.251512 0.25252 1.251512 0.25252 1.251512 0.25252 1.25552 1.255552 1.255552 1.25552 1.25552 1.255552 1.255552 1.255552 1.255552 1.255552 1.255552 1.255552 1.255552 1.255552 1.255552 1.255552 1.255552 1.255552 1.255552 1.255552 1.255552 1.255552 1.255552 1.2555552 1.2555552 1.2555552 1.2555552 1.2555552 1.2555552 1.2555552 1.2555552 1.2555552 1.25555552 1.2555552 1.2555552 1.25555552 1.	Prose-1 RC1-33	0.585223	94 0.83190	53 0.878658	احا	_	0,6381336	0.7133499	0.788620	0.7177832	0.551176	0.605813	3 0.53759164	0.7656556	0.9096405
1,3416596 1,2295538 1,3404390 1,3404	Fertin Hotain	1.20149	43 0.93379	54 1.17869	2 0.675800	1.292565	0.78948003	0.93091450	1 1367549	0.98319846	0.6235601	3 0.6517873	4 0.550172	0.78805983	1.0251862
0.0820256 0.0820703	Selenoprotein P	1.34165	122595	120048	2 0.9491486	5 1.17.5550	1 377775	1 2467723	0.9209817	0.7646725	0.6843913	0.545829	8 0,6415313	1,0689006	0.97266984
2.127504 1.0220554 1.0220557 1.0188893 2.12752 1.0247 1.0250557 1.0188893 2.127522 1.0247 1.0265053 2.127522 1.0247 1.018677 1.018679 2.127523 1.0265259 1.02677 1.025050 2.127524 0.0265259 1.026779650 1.0275260 1.0257260 1.0257270 1.025050 1.0257270 1.025050 1.0257270 1.025050 1.0257270 1.025050 1.0257270 1.025050 1.0257270 1.025050 1.0257270 1.0250500 1.0250500 1.0250500 1.025050 1.025050 1.025050 1.0250500 1.0250500 1.02	PTENIMMAC1	0.002323	0.30270	1 183617	7 0 8453719	1.007816	1.1546727	1,3170553	1.245821	1.1651486	1.210937	0.830619	0.991600	4 4557007	0.00110173
se bly protein -thydrax/dase (P450 VII) ne transporter (YMAT)	Phase-1 RCT-214	0.82027	1,03206	55 0.782616	7 1.018889	3 0.8751046	1.0233942	0.96168774	0.9808385	0.74289686	1.054409	1 404.6	7 1 029600	1 1940833	1.0217847
	Phase-1 RC I-112	1,06296	92 0.92069	55 1.2103	7 1.509509	1.134617	1.951673	1,3067101	0.9717908	1.0342925	0.567706	0.674634	1.470165	0.72298914	0.8630308
	Phase-1 RCT-13	2.12753	32 1.4147	1,08667	1.415140	4 0,833006	131/0121	1.23/30/0	0.9666242	1,1450367	1.303461	1,006254	7 0.8269138	3 0.8580569	1,0066713
	Nucleosome assembly protein	0.746593	24 0.856359	44 0.04/940	1,13003	5 1.098288	2 20509653	1.250733	0.9713133	0.53130513	1.420254	7 1.772068	7 1.062802	0.6322692	1,1288/5
	Cholesterol 7-alpha-hydroxylase (P450 VII)	1 17781	15 1.37516	69 0.857126	1.263120	90,89536	1.3976017	0.92979646	1.054814	0.90883	1,354429	7 1.5108678	1.203397	1 042842	0.9673759
	Vestoliar monoanne uangement mm	0.9257043	36 1.1144	17 0.74076	1,108302	6 0.891027	1.1860604	0.9424735	0.737595c	0 0.79437.30	1,000.1	V.SULT.			

									100000	1000000	1000000	1 2021216	0.0902014	1776532
Phase 1 RCT 32	1.196748	1,2395159	1.1968712	1.0323776	1.0010873	1.0014746	1.6703871	0.978622	1.0075/28	4 377554	1 6061254	1 6044757	1 0685915	.0437866
Peroxisome assembly factor 1	1.1720934	1.284778	12780943	1.159461	1.087668	1.38/0/94	1.1424290	1,000,000	06971244	3 94875395	1.1443964	1.1886595	1,2205598	.0434943
8-exequantine DNA atvessviese	3.95274734	0.9175338	1.1316018	1.1515138	1.0451355	1,5996459	1.1400329	0.9330034	77058945	30574306	11746652	0.9143178	0.9536931	3.9188092
Phase-1 RCT-82	0.894482	0.9890084	0.9084721	1.1050645	4 0630538	76778877 0	05351346	191904116	1.3078	1.1695626	1,1144628 0	3.73920393 0	.91226023	1.1693479
Matrin F/G	0,65920365	0.70019627	0.9066759	1,0014963	1.0039330	700000	n Ramaes	1 0182472	12265077	12113022	1.159009	1,1020753 0	35385015	0.961929
Phase-1 RCT-184	0.9517713	1.0691445	0.9880201	0.733404.37	O POTTING	0.6704248	0.81319165	0.895487	0.85859348 0	7.69625527	0.5320558	0.5888459 0	91663975	0.8917335
Phase-1 RCT-168	0.5943256	0.65/5436	0.8230131	1 SOLED643	0 9386873 0	72033966	19	0.97092485	0.8009432	1.0736276	0.9853B02 C	1.94830525 0	97988474	2690235
Phase-1 RCT-119	0.3030337 0.70400656	0 5225430	1 0958198	1 0270324	1.085626	1,0011479	1.2096635	1,0305678	2,6363752	2.1260624	1.8253036	1.4875805	1.2847074	0058216
Carbonic annydrase II	0.96378905	0,86975765	1,2023127	0.9357161	0.8899578	0.6824432	0.8118462	1.1462892	24542472	2.410999	1.42548	1,5242419	1,00013	9756042
Ingreprien ingeloxydese	1 2201664	1.4817358	0.9674234	1.0929259	0.998393	1262195	1,0176653	0.9243626	12538261	1.320940	1.2050503	00544325	0.827.573	1 2473911
Dhara-1 RCT-179	1,7790123	1.8047799	1.2418946	1.033681	1.0984774	1.0714421	1.1396568	1.1858338	7.137.3903	1 7720755	1 8269267	1 4208741 0	95650274 0	75377023
Phase-1 RCT-161	0.6434246	0.57478046	0.7021921	0.8276614	0.959707	1.1610465	0.9934688	0.5041550	1 2052250	1 2380787	1 2956556	1.2807771	1.055736	1.1944637
Phase-1 RCT-207	1.1171297	1.1462348	0.96182567	0.9608116	1.0585532	1.2188/16	1.3824431	0.0313313	7486484	0 7751261	1 0344529	1.2627819	0.9249013	1.0280219
Phase-1 RCT-144	1.1637335	1.4817443	1.0024972	1,0251063	0.9/933286	1.3141469	74064443	0.5400183	0.5088119	0.58340544	1,72416675	0.9336601	0.8521106	1.1730174
Phase-1 RCT-225	0.80920464	0.8623826	1.2118	0.83400285	0.82049024	1 200000	4 647224	0.00	1 0001858	071475154	95695513 (0.79663336	1.0952439	0.952735
Cytochrome P450 2E1	0.9480705	0.7624569	1.0371982	0.90426233	1.0464361	4 4000040	0.0007465	4 0135331	1 1734383	1 1754112	1,1274909	1,4386284	1.2894638	1.104685
5	0.7812493	1.1784389	0.9850014	0.9640462	0.8351236	1, 1923240 4 0902438	1 11131	1 5781049	0.7234774	0.7304493	0.71542513	0.6239642	1,0304775	0.9416493
Thioredoxin-1 (Trx1)	1,3072066	1.370/068	1.3//6244	1.17.50430	1, 193500	0.7445366	4 2E08541	0 9141739	1.9664334	1.1512041	1,5677643	0.5416368	0.5530762 0	.49675444
Carbonic anhydrase 81	0.44719073	0.3804785	0.67142665	0.5746476	1.1490297	1 2002102	11363649	1 0262836	1.0577893	1,0205935	0.9892003	1.1250827	1,0011133	1.117954
Phase-1 RCT-140	10263013	1.0325845	1 2452477	4 2240473	0 93346614	0.6524346	0.8518231	0,9779582	0.60562533	0.57472368	0.48129255	0,4032165	0.8061169	0.7964027
Complement component C3	1,5846385	1,3121/92	1713217	97053070	POSTOR O	1 1346848	0.8982336	0.84363234	0.5809455	0.8398128	1.1654927	12534503	1.3458538	0.9393693
Glucokinase	0.5/61/9	0.500050	0.0113303	0.7022370	0 9433018	1 0609192	1.3784236	0.89770603	0.6684785	0.85145396	0.8199236	0.90749085	0.9067567	1.0585453
Phase-1 RCT-173	0.84384/45	0.616/312	0.323314	0.037.246	0 9746597	1 0779318	1.0400487	1,0301312	1.5629615	1,567,2938	1.774096	1,967946 (0.97945935	1.0602106
3-methyladenine DNA glycosylase	0.93789484	4 2679677	0.503470	0.001270	0 9376048	0.72647816	0.8870834	1,0063287	2671572	1.4174465	0.8539696	0.91678786 1	0.94813716	1.0296814
Peroxisomal multifunctional enzyme type II	1.4941046	1.23/00/2	4 0200cas	0.87515777	0.9152761	0.826957	0.8324946	1,0196509	0.73389417	0.7201094	0.6242553	0.5044735	0.91579956 (79041123
Phase-1 RCT-40	1.069/123	11177579	1 (1936)2	0.91367745	1,0184888	0.87087534	1.0950288	1.1406283	0,65546507	0.65838184	0.37756655	0.41927826	0.7915637	5522724
Senescence marker protein-30	1 5388645	1.7349867	12107111	1.1499631	1,2357011	1,2510049	1.1727731	0.9719053	1.3298053	1,4268534	1.4572672	1.4812839	1 240//01	1 000122
Wolanger accordated softwar ME491	1.0640708	1,1231495	1,1226124	1,0491755	1.0089228	1.1242079	0.9229324	1,0268782	0.7845197	0.8658594	1.4664860	4 4845502	1 0711632 0	96303576
Phoen BCT-28	1.1315812	1.0745033	1.0390315	1.288484	1,0785778	1.49156	1.1396567	1.0065	1.032//16	1.3030002	1 2277554	1 0885555	0.9879543	1.1472399
Emerin	1.1833305	1,0158272	1.0136008	1.0416571	1.0754925	1.133/421	123/3216	0.923013	0.55300	0 6086845	0 69072306	0.47571212	0,78895766	0.064741
Alcohol dehydrogenase 1	0.54086673	0.71832263	0.84829146	0.9361303	1 134728	0.799763	1.0488839	0,9218944	1.127844	0.9231771	0.9702274	0.9511242	0.99827945	1.1105206
Stem cell factor	0.95012367	0.29445/23	1 0379341	1 1444161	1.3071123	1,2132639	1.1050367	0.9519551	0.6691019	0.7623123	0.71236175	0.65491164	13489168	1.0092739
JNK1 stress activated protein knase	0.000000	1 0529779	1 0659155	1.4686	0.71705663	1.6802183	1.1671499	0.97866327	0.669599	0.90961814	13172531	1.0813941	1.0890313	0.9030007
Protein tyrosine prosphatase alpha	0.7700851	0.959801	1.1788757	0.8124654	0.6484741	0.8285705	0.8182316	0.9853105	0.7975545	1.0717057	12100164	2004007	1.103 LS	1 2058126
Prase-1 KUI-05	1.9207493	1.965763	1.0374839	0.9973732	1.0963092	0.96805596	1.1322113	1.1181896	0.84588486	0.8843935	0.70367736	0.0331762	0.0012182	R5083973
Doldwin congrate a cyric (1925)	1,3269649	12347972	1,2059957	1.2200465	0.92843837	0.6882712	0.8547917	0.97888726	1.4643803	1.2508053	062188	0.8495334	0.96060073	0.98251903
Phase-1 RCT-280	1.1396981	1.1539787	1.0942652	0.99700654	1.1283395	0.7555603	1.150006	0.9233303	0.0740535	0 8547314	1 1019026	1.0536046	0.9603038	1.0697415
Supercodde dismutase Min	0.8741348	12753716	1.5496131	1.1650572	1.0460523	1.24/3636	0.855743	1 0843277	2.4807625	1.4334477	1,4266701	1,5809557	1.2786525	0.9403483
Bela-tubulin, class I	1.1323972	1.4556687	1.659/61/	0.0938047	0.0835320	0.6572129	0.8838134	0.80619803	0.81545776	0.8789779	0.776075	0.7999508	0.7367352	1,5717261
Cerbernyl phosphete synthetase I	1,750002.1	1 048247	1 2075458	1 2100041	1.0493455	1.4097192	1.0958318	1.0032985	1.1209226	0.79613715	0.8451191	1.1698169	1.1350591	1.1444974
Diacylgycerol ldnase zeta	4 2165384	33571503	1.1013635	1.2968721	1.1013031	1.1835805	1.0621425	1,0264148	1.1411129	0.936937	12413001	1.31/0341	4 0003054	1777741
14.2.3 zela	1.266905	1.3241378	1.0677041	0.77692648	0.98730363	1.2611839	1.3101892	1.0822511	2.355444	1.5/31219	1.0734981	0.75903887	0.71310014	3,81371474
Gamma-exclin, cytoplasmic	0.7665725	0.9524601	1.4883211	0.68600947	0.59258854	0.67948437	4.0410748	1.040089	0.86450676	0.7143555	0,69087005	0.9789132	0.72764415	1.2446029
Ribosomal protein L13A	1.335057	1,3796122	1.4205028	0.977302	0.3300434	0.78314896	0.7595571	0.8209511	0.52919585	0.59128666	0.73351866	0,5768163	0.8943148	0.9208458
IKB-a	0.86103764	1 0556046	0.8392362	0.8631613	0,81101995	0.88137865	0.86766535	1.0266972	2.0425692	1.62572	1.7819651	1.7665886	1.0039515	1.1961607
Phase-1 KCI-65	0.83139	0.9622765	1.1030993	1.0034012	0.97752243	1.085403	0.9638383	0.88206327	1,3901203	1.1260499	13708405	1,3204300	0 8341365	1 6470485
Profession O-manuscriptusis (Pont)	1.361675	1.4918815	1.171592	0.78659755	1.0958657	0.98909175	0.99893355	4 0050075	5.22/019	3 1572902	2 6669106	1.9138994	12121898	3.88870287
HMG CoA reductase	0.722045	3 0.78004428	0.9704733	1.0206734	1.106/3/3	1,1613/53	0 8123634	1 0030811	1 6083081	1,4403633	1.4140666	1.69667	0.9438453	1,0803577
Phase-1 RCT-12	1232419	1.3798954	1,20000	0.1738172	0.3203001	20070	200							
Interferon related developmental regulator IFRD1	1 638425	1 6405149	0.96724355	1,1390474	0.99359494	1,0385746	0.93579304	0.8920229		0.7604014	0.7968494	0.97789127	0.9150389	1,0806734
(PC4)	2.18740	1.8448162	2.148626	1.5532045	12219608	12796454	1.4673337	1,3319851	0.4436188	0.59903534	0,357480	4 0775/55	4 0488441	0 99674095
3-bela-hydroxysteroid dehydrogenase (HSD3B1)	1.182956	1.0886652	1,311926	1.130972	1.3011721	0.99527705	12317649	1,3482411	2,31,29056	0.0043072	6205760	0.9648404	1.0759934	1.057368
Caspase 6	1.022467	5 0.9511649	1,0793415	1.0975618	1.1483971	1 2365146	7,80070	1 01177	0.69804525	1.0753379	1.061102	1.0749652	1.3529398	0.8543268
Phase-1 RCT-169	0.901546	13461344	0.86366/65	1 03211/46	0.900930	0.9038767	1.0173031	0.96123606	0.76381505	0.79416156	0.99200726	1.089026	0.98140675	1.1559854
Phase-1 RCT-197	1.131410 0.7194858	1 0 A659429	1 0692991	0.9373187	1.0821942	0.9877677	0.9030639	0.9353842	0.7944045	0.8206962	0.96687853	0,70830333	0.96533/2	01501180
Phase-1 RCT-34	0.4 104622	4							İ					

											1	1300000	1 10000000	0796203
0	0.88178915	1,1665903	0.82995665	1.0890157	3.82763726	1 2357693	1.0064553	1.0093513 0	.86269385	0220335	1,0221149	0.363333	1.4022030	2430406
Descriptions preside	1.0164696	1.0807217	1.1199754	3,91934806	1.0489587 C	.96268217	0.9473725 0.	89463407	1.554801	1.3950168	1,3150673	14120307	4 0442404	4076282
Willyand Milabel Hashes	0,6221221	0.5853893	1.0639063	0.8672704	1.0884987	0.8407424	1.1963617	1287232	0.6728133	0.7069942	0.4/92.005	4 267040	1 1447054 0	94294584
Process BCT-90	0.8783744	1.0004029	0.82886374	1.2441735	0.8785656	12772228	0.9841796	0.931388	0.9138849	1.1904176	1.3/3/485	1.20/040	0.0673048	0211602
Catabase DASA 2020 (ellemote dans 2)	1.2475604	0.9990629	1,6211866	1.1976819	0.7696134 C	.64629763 0	55965463	1.7110575	1.0635817 0	B7969104	0.4522772	1 5555	4 0070396	1 4877945
Cytochionic results and land land and an	1 2936824	1.0978901	0.7903579	0.7439342	0.9372689	0.8317198	0.8436114 0	95303154	0.8083426	12548097	1.136185/	1.613401	1.007 0.203	4 4465650
Plaser ROI-20	1,4311291	1,3009963	0.81877124	0.9171408	0.9123925	1.0549334 0	96856946	0.9848856	3,1241665	3.0863172	2.708081	2,8223043	0 6440777	04448438
Mathedana Col mormon clabs	1,7391293	1.3776491	846018	0.94531775	1.0664575	05023	0.9624817	0.9650069	1.0933633	1.0741146	0.6739803	7010100	4 2400205	0734442
Commune DATA 142	0,96348375	0.74723446	1.177856	0.9896751	0.928969	1.348406 0	0.94463027	1.0388795 0	25809932	0.4691908	1.1463017	4 0044343	4 4 865543	797797
Phase-1 RCT-287	0.93321806	0.8722348	1.0020881	1.1288853	0.96835303	1.3350617	1.1848205	1.1156884	0.712004	73011200	C)374085	O SAARTEO	1 1307671	1 1269332
Monoamine midase B	0.9501931	0.890773	1,0476265	0.924121	12299987	2	0.9374305	1.0903891	4.2004446	0.7000667	0 5442704	0.4838879	0.649886	0.6207746
Phase-(RCT-264	0.9963755	0.81600446	1.1375613	0.9860216	1,2239562	0.8691234	0.9567675	1.6942932	1.3804445	4 4746061	1 4618249	1 784595	1 3267925	12063422
Peroxisome proliferator activated receptor gamma	0.72405314	0.7215856	0.9514801	1.1842991	1.0346949	2,1819/18	1.097878.0	30040034	4 4700108	0 007616	90549396	0 8335342	0.92145365	0.8774031
Phase-1 RCT-143	12225701	1.1932994	0.97425234	0.81805205	0.84064025 0.9663	Ž,	30020937	1.2/31/07	1.17.00.30	A BOOM A	0 6632475	76551	0.8639171	1.113442
Phoea-1 RCT-251	0.69282764	0.9529679	0.9722457	0.83609474	0.8946421	0.7155435 0	0.77134216	0.9597836	0.7493904	0.0200204	0.0002413	0 8822412	1 0937581	1.085489
Phase-1 RCT-117	0.9356491	0.9910481	1.2406325	1.1481583	12278978	12272127	1,0255544	CS570#087	0.300327	4000004	O TEEEENY	4 44362BE	1 (731333	0 97307592
Cutathione Strengferage theta-1	0.7341486	0.78357816	0.912066	0.7207394	1.0383465	1.0264765	12923552	1.055243	e e	1,002024	7,00001	0 777474	A 8735207	1 0175047
Charact DCT.01	1,17538	1.1664082	1.1994274	0.9815319	1.0497767	1.1040308	12446243	12416128	0.89142483	0.8538144	1,000000	O. C. C. L. C.	0.012020	1 1018498
Dhoes-1 DCT-448	0.7797078	0.77594006	0.90472	0.8801826	0.84978676	0.831878 0	97785497 0	.B9127904	1.01414	0.8803078	0.8320020	0.0025004	0.00573045	4 04 R34 R3
Dhase-1 DCT-142	1.0991625	1.0400456	1.1459318	0.90365636	0.9856273	0.91829187	0.9738154	1.26015BB	0,71/8/385	. Baudadus	DC 1000	4 3744705	4 4404000	4 4202046
Activity percentar has II	0.8943711	0.9053154	0.90694565	1.0722688	1.11857	1.3152018	1.4922833 0	87046865	1,337465	13113836	1.1063573	4 0077463	1012729BC	1 302485
Charles methodrasce	1,3384199	0.89155835	0.6944831	0.53447956	0.89732295	0.6799791	0.7596514 0	71087736	1.3035159	1.13/3246	0.000000	1.00/3400	77587754	1 0885789
Phase-1 RCT-281	0.7601332	0.8225954	1.0815958	0.83616805	0.67195815	0.64394367	0.6812071	0.9446906	0.3744575	0.020300	0.000000	0 6860717	1 1844849	1 0565144
Ciliary neurotrochic factor	1.0577998	1.1023365	1.3077258	1.2042325	0.97785074	1.2746613	1.0324135	1.0354201	100401301	0.0107230	merono.	1	21	
Gap function membrane channel protein beta 1 (Gib1)						7002770	-	0000440004	0.0824014	0 6392431	0.5786373	0.7963863	0.5850324	1.0578685
	0.6204586	0.61673665	0.89033794	0.5934103	0./36/055	1,004001	0.702050	ă ă	- GREGARDE	71269494	0.6410626	0.8392332	1,0805261	0.9790686
Phase-1 RCT-96	1,010259	1.0828646	0.8237396	0.93976915	1.0146397	1.0999277	1.3330032	4 00003444	78565005	0 7270374	0.8315586	0.7629734	0.91712314	0.9742928
Phase-1 RCT-287	1.1337279	1.134/33/	0.9354578	0.81138/2	0.037.3374	0.82000323	0.000000	A 202014	0 8130544	59637047	58811094	0.49367145	0.7407809	1.0712252
Retinol-binding protein (RBP)	1.2632732	1.0953536	0.9483587	0.82869726	1,052/381	0.71824104	0.3022407	7 0 00706424 0 7	72845408	0.5251846	49287507	0,5522617	0.8660737	1.265912
Very long-chain acyl-CoA synthetase	1.0328757	0.83583206	0.8861569	0.81953454	0.81214845	70100150	0.000000	5 6	4 02/B13B	0 0334822 (0.73100405	0.58025855	0.8848612	0.9119616
Syndecan-1	0.86678954	0.79600453	1.0295068	0.85622667	4 5325507	4 440047	4 2778344	1 4 6 30 534	1 1727618	0.9353571		1.1076561	1.0019537	1.0474799
Stathmin	1,005/565	1.0194351	0.59/1336	1.1034007	4 00052004	4 444530	120101	1 2100BG	1 1806B7	1.0627121	1.019792	1.1183206	1,0667161	1.0070926
Phase-1 RCT-145	1.5621687	1,6997797	1.1072333	1.1019106	TOSOS C	1.111020	CONTRACTOR OF THE PARTY	A 1 2 2 2 2 4 A	0 7468399	0 6920849	78252137	0.84541495	0.8511415	0.9888164
Axin	0.88256806	0,83918387	0.9537692	0.95669484	0.990877	7.0033033	0.3023330	00748874	1 0870154	98561186	0.69850665	0.768256	1.0507617	1,0530836
Phase-1 RCT-89	0,80155337	0.8000788	0.92291	99630154	U.SO422324	1 2025527	4 204415	O ON THE OR	0.4513507	0 6402129	0.6615394	0.7151505	1.2226083	0.9396891
Sarcoplasmic reticulum calctum ATPase	1.0267525	1.1406034	0.93463403	1,228433/	1.186/03	1702000	4 4455745	4 0054308	0.06776205	1 1435007	1.1852075	1.1899501	1.0210365	1.2051609
Alpha-2-macroglobulin, sequence 2	1.4572407	1.5766407	1.1387395	12/09306	1.2440979	1,0230333	0 7692690	4 0004548	1 1951008	1 0011208	1.1851948	1255908	0.8708163	1.0661837
Phase-1 RCT-204	12374928	12162837	0.9422561	1.0262543	0.9891626	1,0013040	0.3003000	0 82341404	1 2621864	0.97181834	0.9210026	1,3802773	0.76329887	1.0320044
Vascular endothelial growth factor	1.0931413	1.0874077	1,06/9589	0.8514120	1,0134132	0.3000 043	0.000	10000						
NADP-dependent isocitrate dehydrogenase, cytosofic	000000	0 44 40000	4 452/1984	0.821262	0 9701836	0.88232315	0.91855097	1,3085232	1,3085232 0,84224707	0.7923732	0.5453488	0.559419	0.9058299	0.7484161
	0.6637962	4 906370	4 0005847	0 69787824	0 83381546	0.57468854	0.7641444	1.4522825	0.66250855	0.9042151	1.122532	1,2031229	0.96368835	0.99673927
DNA binding protein innibitor nuc	0.0200161	O EASTAGET	4 0527972	0 9580031	1 7559915	1.1701275	1,1678929	1.7579806	0.6517836	0.66282016	0.64826757	0.33258826	0.7382335	0.7283374
Guainione S-transferase Ta	0 8207506	0 8826536	0.86258787	1.0191725	1,0286249	1.3390343	1.3736457	1.1441139	0.3526732	0.48036036	0.361308	0.9060351	1,1555454	0.55386224
Eponde nyuraissa	0.984218	1 0492364	1.0274665	0.87371683	1.0558692 0.6	3235816	0.92493874	1.0361573	0.73850095	0.63496834	0.5732747	0.52140691	0.562.450	4 96494974
Destadando H sothese	1.5277859	1,2286509	0.9099794	0.7503524	0.82033646	16 0.81786066	1.0671968	0.9666428	2.5643847	1.9438384	1.2545616	2.0416243	0 04369968	1 07318
Dhaca-1 RCT-136	0.85764354	0.91057557	0.82914585	0.81730694	0.8773692	0.72354025	0.9775603	0.85392064	1.005383	0.9449612	0.7.441130	4008024	0 0062723	0 80630875
Phase-1 RCT-137	1.0704565	0.901865	1.1887423	0.9720935	1.0694132	0.8355362	0.96643543	1.569/28	0.00033303	4 4000525	1 00005	0 990R4395	0.9891994	1.0551516
Phase-1 RCT-138	1.0900164	0.98092407	1,0683477	0.99737114	0.8995281	0.86665/2	4.42400	1,0505403	0 58254R1R	959556	0.28474924	0.37582532	0.8376383	0.70973796
Hepatic lipase	0.8187079	0.7596442	1.0055487	0.9143431	4 4007040	0.003600	4 0880062	1 0547857	1 0984997	1 2179132		0.99526554	1.0649296	0.9930215
Phase-1 RCT-164	0.913429	0.8696958	1.0918133	4 0640703	1.136/040	0 84456146	1 1980751	1 1390353	0.75762016	0.7235252	0.72458196	0.7282342	0.85112864	1.029729
Acyt-CoA dehydrogenase, medium chain	1.1745532	0.8712853	1.004/151	1.0610363 0 R6883088	1 1082133	0.684545	0.90325713	1.9159461	3,3820217	2.528285	1.5586019	1,3793544	0.8892621	0.8635025
Glutathione S-transferase Yb2 Subunit	0.9130/11/	0.80145454	0.0214322	1 1740761	1.0801897	1.371407	1 294014	1.0039303	0.99177208	1.0427238	1,074133	1,7329285	1.3055872	1.1480017
Carbony reductase	4 4405774	4 DSR8887	0 98207545	0.83888906	1,0365738	0.7314058	1.0180671	1.1476954	2.2498784	1.800292	12237535	1,0280402	1.0982302	0.99541813
Mase-1 KCI-156	0 91438526	0.85536826	0.71840024	0.6279226	0.9342803	0.41614106	0.732436	0.6873147	0.35605516	0.33140746	0.20583014	0.31582163	4.4350000	0.65132720
Apolipoprojeni E	0.7007168	1.0056233	0.8422523	1.063907	0.8916106	0.70193934	1.0380206	1.1627194	0.8675238	0.9170202	0.5331357	0.5551/340	1.1390909	0 9504695
Clubathing S. transferse P1	0.67664033	0.6164803	0.9627651	1.0114561	0.8730045	1.4021	0.95737576	1.1019505	0.68722755	0.78746575	0.00940724	4 2027076	0 07054457	4 1882592
Districte komenase related protein (ERo72)	1,9445119	1,56500;	1.7632765	0.9631934	1.1559697	0.9027935	1.0742602	1.0149837	0.98594743	1.1082300	0.067788	0.9823221	0 9916412	0.9751556
Ribosomal protein L13	0.9840046	0.8562255	1.1583183	0.99453866	1.2767175	0.75601	0.9774165	4 4006463	1.1665/30	0.80075265	0.37790003	0.57422626	1.1780355	0.9620667
Ceruloplasmin	2.2889833	1.8995610	1.1664658	1.2804663	1.2142/8/	1,000040	0.8905/00	0.03055683	2 3591754	1 R393931	0.648325	0.92502373	0.84130484	0.9568136
Inter-alpha-Inhibitor H4 heavy chain (Ilih4)	2.983353	2.1705.	1299828	1.1146224	1,2290230	0.07001001	0.02303101	0,8000000	2000					

Obsess DCT.3	1 0593649	0 96615987	1 0112026	1 2462461	1 1735277	1.35199	1.1667813	1.0070763	1.0374677	12715274	13535464	1.2499027	1.2016058	0.9437133
Fetuln beta (Fetub)	1.5861796	1.2710481	0.86733973	0.9063616	0.960382	1.74328774	1,0043999	1.1049209	1.8862156	1.1892375	1.040388	0.8614231	0.8006762	1.1746968
3-hydroxy/sobutyrate dehydrogenase	1.1994882	0.894763	0.9869299	0.9424628	1.2673054	0.82807	97758317	.98592085	0.7106547	0.67901134	0.74650896	0.6618019	1.0789093	1.029414
Carbonic anhydrase III, sequence 2	1.0480992	0.8112067	0.6629288	0.82660425	0.7926325	0.86587334	0.8977589	0.9813849	0.7873937	0.4417522	0.3769428	0.38513514	0.56224644	1.2655313
Phase-1 RCT-10	0.99079128	0.9721633	0.7238866	0.8463626	0.82497585	0,6209393	.BS304Z36	0.9626663	1.0351173	0.09263165	0.595531	0.7186185	0.9252141	1.0009489
Apha-2-microglobulin	1.1972188	12/33682	0.591/455	1,0328368	1.80/133	200000	1.624.030	2.220/94	4 2050740	0.03270330	0.00002420	0.01700414	4 0530588	1 0060377
Dynamin-1 (D100)	0.870887	0.7440765	0.03130304	4 0000000	1.0233214	1 3626126	4 4247249	1 3425846	1 20000R4	1 3497784	2 3246962	1 7794176	13125489	1.0894606
Dress (DCT 252	1 0294024	0.8087880	0.92372876	0 8393711	0 9253441	0.719882	0.84431493	0.7907421	0.7881341	0.8382543	0.78498113	0.7970354	0.72055588	1,4562739
Phase 1 RCT-29	12439842	1,218335	1,0542097	12226021	1.0947502	1,3553208	1,0646789	0.9718617	1,8393244	1.8579334	1,6363653	1.9039481	0.99930936	1.0572442
Phase-1 RCT-278	1.107981	1.0860236	12562184	1,1058545	1,2621479	0.845882 0	<u> </u>	389674336	1.1477011	011 0.94639176	7,767088.0	1.313271	1.20498	1,0596265
Phase-1 RCT-42	0.8761552	0.9546997	0.89903516	0.8866662	0.9218614	0.8418951	0.9106374	1,0170534	1.392701	1.275175	1.0949591	1,3643599	1,0211899	1,0219755
Phase-1 RCT-25	1,0442483	1.0155623	1.2056897	0.91800475	1.0639038	1.0803107	289	0.9814284	1.1937838	1,0111612	1	0.97033143	0.9886837	.96950865
Cytochrome P450 2C11	0.95608276	0.94225067	0.9048261	1.2593966	1.1426861	1.7761021	1.1536602	1.0523443	0.532045	1,2385189	2,453934	1.6299872	2.1410809	0.9434661
Phase-1 RCT-202	1.143353	1.0163833	0.91437405	0.7999538	1.0630134	0.85614896	0.9520755	1,3774829	1.6039478	1279751	1.0812607	0.83852196	0.9467333	1.103494
Complement factor I (CFI)	1,5664335	1.3146269	0.8525588	0.8802399	0.96083534	0.78245884	0.7930566	1.1879551	1.2999147	1.0846825	0.78235024	0.7868661	0.99776083	0.9919547
Proliferating cell nuclear antigen gene	0.75712305	0.8173716	1.1574932	1.3910277	1.0080376	1.4032357	1.1798093	1.075755	0.5614929	0.7162985	1.4706718	1.3428392	1 2230747	99602884
Activating transcription factor 3	0.7273536	0.75692433	0.9305249	1.0590037	0.89642483	0.8424462	1.2477546	0.9785423	1.4580142	1.838233	1.2958541	2.0676463	1.3807546	1.1472831
Focal adhesion kinase (pp125FAK)	1.1322945	1.2997657	0.98465806	12/16358	0.9947648	1.6139595	1.055058	0.9004285	0.60719115	15 0.72888297	1.0058913	0.8045/9	1.0249529	4 2053 202
Phese-1 RCT-289	0.759639	0.7036868	1.0019181	0.94180834	1.1400583	4 2475444	0000000	1000000	1,1103321	1,007,230	4 4457845	4 24 RO 52 R	4 4445073	7002850
Phase-1 RCT-259	1.1049412	1.0766395	1.146/0/9	1817501	1.0190101	1.1176715.1	0.343/300	10106626	1,022,0001	0.91301244	0.777.066	0 8050578	0.84478844	0.3303004
Iron-responsive element-binding protein	0.86535685	0.866385	1 2005024	0.9634391	4 41 963 18	1 0844040	4 0027854	1010000	2 6160622	2 57511	2 2506177	2 9960742	0 9573503	14316681
And entitlementaries	O GAERAAA	0 63187784	1 0547144	0.88829076	1 4211384	0 87344694	0.9650162	1.253654	0.47545376	0.6565176	0.57084644	0.4930193	1,3112489	1,0404302
Phoen-1 DCT-174	0.87751216	0.8574052	0.831428	1,1144823	1.0171254	1.1991775	1.0150373	1,0249612	0.6171704	24 0.77987465	0.7449465	0.6785654	0.9653562	0.9287272
Phoen 1 BCT-83	0 8636268	0.965602	0.89356625	0.90526503	1,0004385	1.0679675	0.9676369	0.9361819	0.88273853	0.7894876	0.74596083	0.65933913	1,7087405 (78840788
Phase-1 RCT-270	0.6479213	0.5758235	0.8027597	0.861032	0.82503766	0.8976289	.83980745	0.8747118	0.896094	0.84470594	0.79326516	0.78453004	0.7997179	0.8431378
Colony-stimulating factor-1	1.1115118	0.89109963	0.9347219	0.75017244	0.81351894	0.7541199	0.7960042	0.97554785	0.7590208	0.6691073	0.606208	0.6778799	0.8646785	1,0116065
N-cadherin	0.97945287	0.9403939	1.0284653	0.973636	0.9536711	1.0003409	1.1028745	3.85068524	1,5833191	1.0258751	0.79036725	0.8648141	0.9987034	0.9768661
Phase-1 RCT-62	0.8050627	0.8370715	0.9164747	0.92084926	0.9786613	1,0543016	0.9257178	1.019127	0.56591576	0.70005417	0.7761086	0.693507	0.935148	0.9301151
Phase-1 RCT-22	1.0413553	0.98880327	0.9556806	0.8448888	0.9608334	0.9122591	1.1318725	3.92191637	0.5902766	0.64891684	0.60306287	0.7817335	0.9913258	1.0870993
AT-3	0.9543699	1.0331197	0.9963478	1.0832655	0.91440487	1.4297458 (.97477657	1.1775764	1.1092932	1.1519599	0.87239355	0.8368698	1 2876028	96980076
Phase-1 RCT-18	0.879046	0.93483317	0.88308835	0.96344966	0.847479	1.2198851 (94542253	0.9683269	1.0709858	1.1367725	1.0565774	1.0032573	1.050501	SUSSEC
Phase-1 RCT-123	0.9610543	0.9392809	1.009741	1.156317	0.95888036	1.3994205	1.0618527	0.9903233	1.0/6.41	1.0188893	10/8138/	ACANAGA O	4 0763044	777085825
Phase-1 RCI-86	0.78872144	0.86248337	1.0322343	0.9/ 9/ 9/ 3	0.3033423	COCO OCO	0.5010020	0.00000113	1	20100000	2000	2011	1	
Equipment in the control of the serial of th	31975077.0	G 8403692	C PARTIES O PRESENSE	0 8862777	1 0457022	0 9408263	0.9825619	10174794	0.8437007	0.72326124	0,6367833	0.5628986	0.7954714	0.9009729
Change transporter 3	0.4744357	0.6573101	0 7363769	0.80575936	1.1470666	10387366	1,4067683	0.8813798	0.40221727	0.6275017	0.43715245	0.42941275	1,0251453	35442865
Medidan meletant omleja.2	1 0750359	0.88521606	1.1482161	0.968245	0.9338189	1.1168138	0.9537698	1,0385768	1,329869	1,3831478	1,4213088	12498893	1.2224085	1.1340177
Mulidrup resistant protein-1	1,1507361	0.9222903	1.1842461	0.9245305	1.1908151	0.9782461	99297774	1.0271351	1.2488108	1.2045532	1,4696597	1.684771	1.1882141	1.2730538
Phosphatidylethanolamine-binding protein	1.0476757	0.83773425	1,0022966	0.76253706	1.0452124	0.8190576	0.7819124	1.0901374	2.187722	1.8667394	1.4941086	1.9989529	0.8254946	1.1217185
Phase-1 RCT-180	1.3622051	1.5013901	1.3129156	0.82165796	0.9332657	0.805386	1.1234822	1.2269714	1.4173905	1,2375016	1,0703648	1.1304235	0.9338942	1.10835
Integrin beta-4	0,9201982	1.0172718	1.0399152	1.136572	1.1186926	1.3810774	1.215165	0.94474	1.3669705	1.1519565	1.1766307	1.8494511	1.2276307	1.396/131
NADPH cytochrome P450 oxidoreductase	1.1326761	1.1773452	1.2061988	0.836478	1.31/2449	1.0284907	1.1120316	1.0129187	0.87554615	1303/20/2	1,0019787	1.4739103	1.011.012	4 0534282
Wat	0.304.0030	0.91030400	0.0592120	0 9558678	0.05145744	79587066	0 0110407	0.8012223	1 32R265R	1 0151435	1 3491335	1 056047	711970680	0 9923947
Dhora 1 DCT-52	0.8791944	0.9729885	0 97000885	0.8046627	0.81124294	0.8488771	80192155	0.90542	1.1439749	0.97669673	3 0,87293535	0.9629169	0.7439389	197772217
Phase-1 RCT-54	1.0002899	1.1680404	0.95011437	1.121836	1.0226299	1.0783556	1.0680416	1.1100079	0.7824451	0.8531763	0.8144964	0.9391753	1.0679767	1.0161217
Phase-1 RCT-240	0.7284687	0.8624066	0.7996359	0.7089431	0.6960819	0.8545354	0.8677506	0.7124056	0.83690345	0.82086045	0.70708815	0.91200894	0.98003256	1,0001316
Osteopontin	1.2716007	1,2828391	0.8990534	0.8458305	0.857187	0.77977735	0.9492723	1.0647816	0.6522367	0.6612222	0.61113816	0.69482934	0.92511314	0.9702281
Organic anion transporting polypeptide 1	1.0637344	0.73544717	1.0518038	0.8141374	0.9479864	0.8446913	9,82827383	0.6761312	1,8365806	1.3708087	1,4044435	1.5233432	4 3664467	1,2064228
Phase-1 RC1-241	1 1412823	1.2556963	1.1440927	1.3358175	1.0536232	14430473	98732966	1.0745574	0.8940567	1,0335273	1.2048947	1.1267672	1,3395998	1,0118479
Ovdin-dependent kinase 4 inhibitor PZ7kip1 (atternate	200													
(done)	0.9762318	1,2386972	0.99411625	0,9660468	0,8853863	1.1053408	0.9801264	0.9198034	0.80942774	0.6496295	0.65785426	0.9802751	0.78742987	1.027399
Phosphotipase D	0.74805087	1.0122788	0.67230016	0.9969849	0.7612035	1.028347	0.9469374	1.0020735	0.78233725	1.1281704	0.9704784	1.2/8163/	1.42/3684	1 1875334
Phase-1 RCT-39	1.4104062	1,6631589	0.90880275	1.0612801	0.89150447	1.1/2112/	1 4611772	0.9078324	0.78533447	0.87311447	0.00070740	0.83623400	0.9898481	10303532
Phase-1 KC 1-256	1 2401974	4 2264396	0.95361364	0 83606607	96/2/2967 0	0 96038985	91528673	0 9667 1057	2 1393368	1 5155488	1222222	1.174192	1,5573938	1,218715
Adecine audeotide transforator 1	0.75235015	0.8221742	0.8013657	0.75198	0.86131275	1,0028533	1,91757363	0.92855847	0,5808717	0.50757947	0.48680252	0.6169826	1.1014664	0.9657176
Alpha-1 acid glycoprotein	10.337886	6.260609	1,535883	1.3469113	1.6262186	0.93160146	1.1456898	2.098122	0.47396836	0.49911556	0.6090232	0.8546916	1.8027414	0.9002699
MHC dass II antigen RT1.B-1 bela-chain	1.0663466	0.8449537	0.7348604	0.9908346	0.9765439	1.0495634	1.436482	0.42053866	1.0004483	0.8068557	0.95212036	1.4011122	1,3960057	1,73538

											2000000	12201000	0.06721141 1.0199625	1 0199625
	4 6449775	1 5839093	1.215203	1.0679376	1.2252864	1.0248191	1.0457604	1.0148531	1.0146531 0.75222343 0.74844844 0.65346173	- I.	0020000	01472034	4 1544042 0 B0006214	B0006214
Organic cation transporter 3	2	2000	ľ	I.	4 04R4195	4 0.004195 4 793347 1 4855689 0.9585129 0.43217322 0.4961185	1.4855689	0.9585129	0.43217322	. 1	0.3336/00	_1		
Hymore and inchester 1 atota	0.92619085 0.3477203	240	- 1	1	, ,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,	2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2	ACENACO O	ARCEDODA C	0 9484416	0.84112203	0.743819	0.8860321		1.0238220
Dhares 4 DCT 49	0.7873355		0.8767253 0.71164405	0.71164405	0.753432	77507767	0.320402	4090100	4 2505285	1 1253754	0.9931792	0.9931792 0.8347345 1.0165597		1,0480949
2 200	1 0713814	1,0075122	0.9772049	0.96999454	0.92291164	0.9772049 0.96999454 0.92291164 1.0450426 1.6866804 1.0913003	1.6855604	1,0001800.1	000000	0.000000	0 7875187	0 7875487 0 RDE3424 0 98885834		0.9534571
Phase-1 MC 1-45	000000	4 2004 500 4 0533447	4 927R/77R	0.834524	1.0170442	1,0170442 0.9282889	0.9186259 1.2209791	1,2209791	0.858228	05077	0.707.0	0.7073101 0.000000 0.000001 0.000005E	1000000	DATABLE
Malate dehydrogenase, cytosolic	5001303	1.0500.	1	4700000	A 200573	0.7593895 0.54174644 0.47821628	77640843	0.7593895	0,54174644	0.47821628	0.6275711	0.034630	1000000	200
VI 30 element	1.0853848	1.155/48	ł	1.1232032	4 4057242	4 4057242 0 7055056	1 0447393	0.9421283	0.8012279	0.8099214	3,58556724	0.9421283 0.8012279 0.8089214 0.58556724 0.60709405 0.9947308 0.9/812205	0.9947308	002218/60
Dhace-1 RCT-189	0.7974703	0.7974703 0.78560543	- 1	90070	1,103/343	1,103/343 U./ 34.7464 4 4446756	4 4446756	1 0018014	0 701998	0.701998 0.73007715	1.1849655	1,1849655 0,7789402 0,96431714 0,9537254	36431714	0.9537254
Amba-fermotein	1,0824986	1,0824986 0.9613188	1.0558339	1.0/0105	0.3030700	0.9030200 0.211401 1.11013020 0.0030200 1.11013030 0.003030300 0.003030300 0.003030300 0.00303030 0.003030 0.00300 0.003030 0.003030 0.003030 0.003000 0.00300 0.00300 0.00300 0.00300 0.00300 0.00300 0.00300 0.00300 0.00300 0.00300 0.00300 0.0	SOUPLE OF THE PERSON OF THE PE	1 1327678	1 1377678 0 7589902 0.49353778		0.5540497	33885938	0.7665484	0.8135143
Calcondin B	1.0789524	1.0789524 0.75318074	1.008846	0.8368300	1.05/32/8	1.03/32/8 U.S. 2003:00	0.0247804	4 00200RG	4 nnonnes 0 91423327	1.0870363	1.2499572	1,0553138	1.0538456 0.88672384	0.88672384
Tiesus rissminocen activator	1.0755728	1.0755728 1.0827278	1.0497904	0.93903126	0.565550	U.9498386 1.0903186 0.9741901	0.3/4/57/3		0.072567 0.9039656	0.7892408 0.84747356	0.84747358	0.8803407 0.9343276 1.0381329	0.8343276	1,0381329
Phase-1 RCT-195	1.0866154	1.0742626	0.87930965	0.9087748	0.8063035	1.8083035 U.7.20734104	1 3888100	2 491495	2 491495 0.5792221 0.48998347 0.37656292	0.48998347	0.37656292	0.3268912 0.70593923	0.70593923	0.7438354
I wer fathy acid binding protein	1.0592368	1.0592368 1.1091266	1	1.4.396802	1.732770	2000	0.7541017		1.0877318	0.8520702	0.483354	0.483354 0.58619237 0.7956587	0.7956587	0.7490302
Alaba-1 microclabulin/bikunin precursor (Ambp)	1.2681884	1.2681884 0.98574394	0.871092	0.738077	0.00337004	0.871092 0.7380/77 0.8633/004 0.072210 0.1374647	107746/7	0 0718492	4 CPE 101 1 074647 0 0748497 1 0141796	13270348	1.4740139	1,4569049	1.039461	1.0316315
Prese-1 RCT-294	0.85872024	0.9534154	0.85872024 0.9534154 0.87728876 1.1412474	1.1412474	0.9805157	2/000000	1 2325741	0 83436364	0.2000 1 2225741 0 93136364 1.1426332		0.7477225	0.7477225 0.99788547 0.8661323	0.8861323	1.0763624
Dhase-1 RCT-151	1.3924136		ᅃ	0,84320/05	0.6740334	0000000	4 420770	4 420779 0 00733474	1 019257		1,3418604	1,5628054	12351962	1.5907698
Dece 1 DCT, 158	0.9543601	Ö		0.837111 1.0216238 0.97804176	0.9/8041/6		0 7007404	0.0550017	0.0453808	0 8274027	0 6991304	1.0313028 0.75559753	0.75559753	0.9259038
Disco. 1 DCT_273	0.90226734	1,05961	0.8342958 0.67869276	0.67869276	0.6357262	0.7086809	0.7007101	0.00001723	0.7086805 0.7007161 0.655075 0.5452535 0.815894	0 R100804		0.9947681 0.78094345	0.78094345	1,0160824
1 004 306	0.8654445	1.0440664		0.9137028 0.8582018 0.8686343	0.8686343	0.62/3326	000	0.1.301032	100000	4 000004 4 0000046	1 1056117	1 115108	1.0669737	0.90232784
riase-1 KC 1-2-3	4 0044745	C244745 0 78587973		1,0030552 1,0035155	1.1261137	1.29140171	10798856		1.0000	200000	2000	A 66804084	O ROEST	10300617
Organic anion transporter 3	7770007	100000		4 1754549 0 69900318	1,222,726	0.7990318	0.9520485	0.8625777	1.0034385	1.0034385 0.8628/166 0.6123103 0.3623103	0.012510.0	200000	2000	O CEOPERA
Matrix metalloproteinase-1	1.1462501	_1	L	4 2677206 4 0057044	1 4014637	0.9801304	1.1541833	1.9612178	0.6873797	0.6534084	0.46206877	0.6873797 0.6534084 0.46206877 0.44481403 0.32130414	10.52	0.0032000
Urinary ordein 2 precursor	1,3778192	- (ł.	0000000	0 0007352	4 444343	0 916162	0 916167 0 93637645		1.0870261 1.0778021 1.1176935 1.1028128	1.1176935	1.1026128	1.0394447	0.9/567184
Phase-1 RCT-212	1.0374302	1.1488208		1.0301659 0.8831830	0.0001	212								
(1) Gene expression data for 6 hour fimepoint are														
presented as mean ratio of treatment/control for all 6														
hour predictive genes (Table 18).														
(2) Compound and dose abbreviations as in Table 1.														
(3) Individual animal number														
(4) Liver inflammation classification for compound-	_													
dose group at 72 n: yes-ned, nearbis observed, yes-														_
both, necrosis with initialization costaved, ito, in														
(5) Predictive gene (as in Table 18 and as Included in	-													
Table 26)														

Table 28 Ewnession Date for 6 Hour Timenoint (1)														
П	П			П	lŀ					Т				
		1SON 50	1SON 200		1SON 200	KET0 20	KETO 20	KETO 80	KETO 80	KETO 80	LPS2	252	297	ME1 1.3
Animal Number (3)	1942	1943	1951	1952	193		2223		2522	377	١	75		,
Liver Toxicity Inflammation Classification (4)	2	9	2	٤	٤	٤	2	2	8	2	2	2	2	
Gene Name (5)			,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,	4 040000	0000000	_	0.00500000	* 0044644	4 0634348	0 804184	A 229ABB	8 770373	3 7279167	0.7659578
insulin-like grawth factor binding protein 1	1,000.1	03/38/30	0.5024014	1,0430033	1,000,000	9000000	0.0014060	1.04 1701	0.0273405	0 9907862	3 4147527	1 6607026	3.3599277	1,6387256
Gaddiba	1,0273779	4 4075260	4.076363	0 00455184	0 9398406	1 093317	0 9051913	1 2135977	0.93002015	0.95761454	2.7813256	1,5247602	1,8029577	1.7474566
New	1 0976804	1.1842904	1.1155797	1.0779071	1.0726656	0.94416595	0.9670863	1.030593	1.0444181	0.86048645	1.0962989	1.0707154	1.143029	1,6592982
Cethensin L. sequence 2	1.0975043	0.9433064	0.9081122	0.98576653	1.3108917	3	745	0.77504003	1.0134839	1.0899011	1,4545306	0.99896365	1.1837855	0.80734056
Нете охуделаѕе	1.3736643	1.00102	1,2013853	1.0829936	1.3533628	8	0,91791934	1.4204386	1.1380563	1.2518272	3,533252	3.4081213	4.7782593	0.83380198
Phase-1 RCT-109	0.977453	1.1637768	1.006255	1.1727868	1.1660628	0.91123575	0.94691426	1.0554012	1.0359797	0.950622/3	1.2455201	1.8510/30	10004637	0.4324(22)
Phase-1 RCT-111	0.9618218	1.0645447	0.93156713	0.9154322	1.1215392	1.0220715	1.0693212	1.009291	1.088532	1.0247997	1.0808346	1.2913300	1,000,1637	4 0443677
Argininosuccinate lyase	1.414619	1.1419255	2.1548169	2.541465	2,6208181	1.1160672	1.0954962	0.8095465	0.960001	1.0195055	0.48095602	0.845665/	4 2007047	1.0113077
DNA polymerase beta	0.9056254	0.9955133	0.94627607	1.024345	0.89668894	0.9601508	0,9968359	1.1528513	1.0125071	0.9914179	1.9298172	1,0139008	1.780/343	0.7240133
Phase-1 RCT-103	0.96571285	1.0470964	0.907228	0.856906	1.0599515	1.0030588	1,0593765	0.97678155	1.0587714	1.0352509	1.2009839	1.18/6981	0.91956	180303104
Ribosomal protein \$9	0.94431317	1.009869	0.9477519	0.960477	0.89645636	0.93113184	0.9385334	0.94471395	0.91809505	0.92884177	1,9078461	1.1444094	12044798	1,9140434
Phase-1 RCT-114	0.9979586	1.0273173	0.989732	1.0346893	1.047279	1.1144748	0.9892218	1.1087186	1,00481	0.9770688	1.3486129	12702775	1.39430/3	1.16/0022
Phase-1 RCT-15	1.114612	0.9491843	1.0144848	1.0737094	0.92967266	1.2411383	0.9950888	1.363971	1.0666254	1.10/8354	2746178	1.0990305 4.4258607	2 837201	1 0004107
Macrophage inflammatory protein-2 alpha	1.1931536	1.0117675	1.1176807	1.1524097	1.1130115	1,3233303	Zucczen.r	0.3743302	U.S.S.S.S.S.	0.3611.300	2.30037	1. 15.		
NGF-inducible anti-proliferative putative secreted	0 0404000	0 000001140	0 00165955	0 00000010	0.0553415	0.0228848	0 93796796	1 095331	1,1392101	0.9016523	2,760559	1.8117344	2.8377779	0.6492041
protein (PC3)	4.04018307	1 450465		1 4436544	1 2580333	4 01R4RR	0.9675913	10513598	1.0550132	0.88280016	0.81022537	0.8870863	1,0861895	2,0257823
Prisser RCI-181	1 1300343	1 0475516	1 037R17	1 070305	1 OR54447	1 0025202	0.9621287	1.0940588	0.9834691	1,007177	1.1417121	1,3300706	1.1741174	1.0960686
riase-i vol-os	A OFFICE ROOF	200 POL	4 0242493	0 97833633	0.67739	1 0851439	0.9102255	1.0612698	0.9210634	0.93676984	1,7591627	1.5542681	1.9579474	1.3725541
Dren t Dor 108	4 0433474	1 0560417	0.87834275	0.7889051	1.0231646	1.0056747	1.1003542	0.9883808	1.0329939	1.0036707	1.2772833	1.1514429	0.98717153	1.0144281
Dage 1 DCT 56	0 9407147	O SARRAZA	0.98992848	0.7835416	0.70360154	1,4055681	1.0309274	1.1993505	1.1938995	1,1694535	48.48836	64,90753	45.934826	0.856523
Phose-1 RCT-192	1.1211532	0.89442605	0.88079387	0.9277146	1.0294368	1.0501163	0.94832367	1.14749	0.9748004	1.0180936	1.1286563	0.9276	1.1346991	0.84988487
Phase-1 RCT-75	1,0077782	0,96108955	1.0738553	0.98944896	1.0405383	1,0420177	0.93280005	0.9208476	0.9255733	0.9381112	1.9256188	1.679687	1.4774226	0.9844463
Acetyl-CoA carboxylase	0.9090707	0.9521575	0.96795774	0.88629305	0.8410967	1.0210835	0.9905964	1.069679	1.0411197	1.0051137	1.0410357	0.7440718	0.98770237	0.91443533
Phase-1 RCT-95	0.97101957	1.0645429	0.90340304	0.9682144	1.029769	1.0090362	1.0450982	0.983378	1.0462352	0.98928857	1.1503134	1,02005/8	4.0045540	0.69/84306
Cystatin C	1.1067014	1.0647405	1.0148684	0.93200964	1.0285539	1.040976	1.0470122	1.19/62/2	1.1/46238	1,104,3808	2 904093	2 8278906	2 124291	0 947.836
Phase-1 RCT-49	0.91018814	1.00/0521	1.0446242	1.1138217	12850501	0.935/1933	4 4253750	0.0516436	4 4524946	1 6709595	1 213817	1 5950189	1.1082484	0.76505935
Phase-1 RCT-9	1.5054421	1,003634A	0 0832614	0.0604276	0 9120701	1 2201904	0.8567249	1 0077599	0.8864299	1277511	2,6349094	2.1567982	2.3142595	0.9727326
Denny 4 Dort 466	0 9806981	1 068987	0.8894931	0.8315694	1 0240752	0.9982242	1.0508922	0.9654559	1.0206279	0.97326446	1,0961988	1.0243403	0.9324651	0.87117815
Coella	0 99674606	0.93421453	0.961387	0.92013496	0.8842926	1.035301	0.9822724	1.1327968	1.0484967	0.9879209	1,6537524	1.023491	1.4222473	0.91191494
Dhaca 1 BCT 427	0.92588353	0.9441446	1.0484929	0.9941624	0.9376865	0.9452556	0.9944046	1.1202545	0.99969536	1.0909326	1,3025404	1.2364187	1,5875487	0.9575567
Macmobace inflammatory orotein-1 aloha	1.0996436	12752288	12374929	1.0984274	1.0442431	0.9632984	1.0113952	1.0514163	0.9907138	1.0812596	9.432194	2.2058752	1.5598359	1,9005556
Zinc facer protein	1,1132207	0.9522577	1,103619	1.0479739	1.0711578	1.0474908	1,0601234	0.9389355	0.9249278	0.95260096	7		1.4631441	1.0439065
Phase-1 RCT-73	1.0072176	0.9117415	1.0387224	0.9913007	0.9726587	0.9718703	1.0021045	1.0047433	0.98026407	0.87253916	0.84495515	0.65894574		1.2580303
Glutamine synthetase	0.75998574	0.8692796	1.1143031	1.1458646	1.2060397	0.8932053	0.90682185	0.9232394	0.81415915	1.0149/15	C20040CZ	0202020	4 0573434	4 4352882
C4b-binding protein	1.0091249	0.9634552	0.87137437	0.7801594	0.6744671	1,3965802	1.073919	1,36641	1.080/018	1.303682	2 0660100	0.3003070 A 75465	3.497428	1 2112051
Phase-1 RCT-242	0.9618142	1.001600	0.97944415	0.99478006	0.96703315	1,0353872	0.8869119	1.0963578	0.9309678	1,003045	23360503	24750953	3,35019	1 3871026
Phase-1 RCT-50	1.0358231	1.0169414	1,0932341		1.0860683	4.064002E4	4 0343507	1,0838232	\$ 0243895	0.976979	1330464	1.1346995	1,126819	0.75022286
Bongation factor-1 aipha	0.9568/6	1.0036135	4 0367606	4 4590447	1.0162233	1.00 13923	1 1150241	1 077R109	1 1365919	0.9384832	1.948284	2.2543967	1,691816	1.0598472
Integrin peran	4 0272284	1 006955	1 0858059	1 1478703	1 1519157	1 0777171	1.0116659	1.2060399	1,0837133	1.0543209	1.4044927	1.4599402	1,736269	2.2140923
Disco. 1 DCT. 50	1.0077959	1.049651	1.3092813	1.1927016	0.9986311	1,0225185	0.9976539	1.0598515	1.0568336	1.0814726	2.68238	2.1432896	12829205	0.78228545
Phase-1 RCT-76	0.9662423	1.104706	0.92145914	0.8770872	1.0221049	1.003527	1.1242344	0.96027154	1.0020814	0.9691134	12270603	1.4531643	0.975292	0.7757394
Rentin H. Hain	0.819886	0.8471689	0.87855047	0.9328309	0.841712	0.98077595	0.95693624	1.1519245	1.0521193	1.0327373	1.1747218	0.7769795	1,0179391	0.6834927
Selection in Calesia	1.0440286	0.91818446	0.867486	0.953999	0.84274745	1,1088146	1.207642	1.1189592	1.155212	1.0208359	0.41508076	0.40776065	0.336063	0.6539771
PTENMMAC1	0.8793532	0.999938	0.9387153	0.8922559	0.87524164	1,0376538	0.95561713	0.91574335	0.970928	0.86465466	0.7563197	1.0875903	0.7371868	4 4007000
Phase-1 RCT-214	0.8875946	0.725770	3 0.7823825	0.77617705	0.6187451	1,2086112	1.1501125	0.9247065	1.0162979	0.8233785	0.444227	0.25472915	0.45089262	1.192/800
Phase-1 RCT-112	1.2328237	1.038324	1,0480717	1.0190657	1.1417803	1.0217377	0.9610457	0.9783418	0.95667595	1.240058	0.805/69	0.9182209	4 0400000	4 22700EB
Thymidylate synthase	0.9881159	1.244355	1.0538572	0.94343305	0.97533137		1.0161449	0.9307574	0.95920/24	4 2450307	0.7209763	0.82310013	1 030308R	1 1718346
Phase-1 RCT-13	0.6595955	0.6909652	0.6997478	0.9145236	0.8161728	0.99129534	1.1123914	1.359/115	1.0041509	1.2130367	A7878ACA 0	0.76239240	0.8003815	0.83227205
Nucleosome assembly protein	1.241428/	1.0/00/3	7297010.1	0.86693304	0.8000323	1.1923302	4 256338	0.01/3134	1 2533636	1.2613876	0.23086503	0.5767724	0.4512604	12541755
Cholesterol (-alpha-hydroxylase (P450 VII)	1 246088	1 (78632V	1 0389803	1 0421535	1 (046662)	1.0614586	0.8694107	1,2000908	1,0615458	1,4479651	0.79832315	1.5552431	0.92941797	12443498
Vesicular inchodinane dansporter (VMA)	1 140672	1 000670	0 0380533	0 89400303	0 95283365	0.9511046	0.96638274	0.95404624	1,0210537	1.2563006	0.7783222	0.66681415	0.85834926	0.89275247
Mase-1 KU1-zov	1.1700:	1,000	Owner or a	- American									İ	

	1000	4 40540501	4 0004070	6030000	0.0000000	O BROGAGOA!	1 1700165	1 42097491	0.8720982	1 0547699	1 08212161	10272719	1.14019261	1.169869
Phase-1 RCT-32 Domeleans seconthly factor 1	0 9437311	1.405133041	1.1095022	1.1441981	1,0282372	1,0117315	1.0060494	0.9962735	0.978626	3.98600185	1,2247632	12352031	1.0929134	1,5989184
Romonanine DNA olymphase	0.9880124	1.0882015	1.1066477	1.1859607	1.0870602	1.0826445	1.0254344	1.1597703	1.0345509	1.071013 (0.80767083	1.0542516	1.2042111	1.1086553
Phase-1 RCT-82	0.9835014	0.99233377	0.99234223	0.99075174	0.99261856	0.97952396 0	0.99995613 0	.98418283	1,0164995	1.0287018	0.884632	0.7904585	1.014286	1.0177155
Matrin FiG	1,2168912	1.0131657	1.2049702	0.99138796	1,353331	1.1761152	1.335163	0.9969126	1.0620961	1.1519339	0.393606	0.41639474	0.4678134	62727195
Phase-1 RCT-184	1.1296718	0.9936677	0.9539938	0.9517293	0.9068201	0.9790135	0.9195084	1.0144694 (7.99228066	0.9673457	0,9065361	0.71913594	0.9782554	1.1590707
Phase-1 RCT-168	0.8887769	1.0678431	0.7465231	0.8092584	0.71089715	0.9605346	1.0633084	0.8640158	0.9290697	0.901916	6164323/	1,3835167	0 7028408	0,011200
Phase-1 RCT-119	1.1339738	0.940092	1.2261946	12588007	1.2930411	1.0418226	0.9681125 0.8699	9	0.90494657	12/25/21	000000000	0.00277.007	0.7 300400	4 734 4054
Carbonic anhydrase II	1.1642908	1.1216606	1.091828	1.1156948	1.2288/62	1.1937033	1,030,412	1,0404012	4 004384	1 1573715	0 7411477	0.00554795	0.7857753	1 0095191
Tryptophan hydroxylase	1.1535026	0.92570484	1.0069169	1,0325538	1 2406046	0.98463076	1 040003	OR428778	1 1036463	1 1540539	1 0625638	1.4720643	1.0881327	0.9468104
Phase-1 RCT-71	1,955,15673	1,0074065	0 04494826	D 97836244	195728016	0.9431783	10555197	1,0323646	3.96827424	7,92151177	2.0711462	1.7609483	1.1678132	0.7943228
Mase-1 KC 1-178	1 2644985	1 0436232	0.8774453	0.7920463	0.607171	1,2304059	1,1112796	1.1459614	0.7651397	0.9888889	0.8285385	0.3891223	0.9803423	23014426
place t por 207	1 0705694	1.0672678	1,0348487	1,0806477	1.0593575	1.0036439	1.0150962 (3,96733004	0.98716694 (0.95899934	1.9333489	1.8592138	1.1162423	1.1188117
Phase-1 RCT-144	0.90197897	0.9716827	1.0264837	1.1588262	0.8513773 (0.91643333 (1,93411344	1.0557394	0.93746907 (0.91947657	1.6013553	1,3763506	1.4749446	1.0115086
Phase-1 RCT-225	1.3084153	1.8439751	1,0069077	1269995	2.112223	0.8094559	1.1413121	1.0842501	1.0993338	0.71929353	1.0377507	1.0879977	0.8283416	1.6080526
Cytochrome P450 2E1	0.77936983	0.6189453	0.9971944	0.80552167	1.0906998	1.1024042	1,0060757	0.6459591	0.8418387	1.0476735	0.79315335	0.42475628	0.783838	1.6233476
6-1	0.9699711	0.9389923	-	1.00917	1.0586216	1.1144695	0.9163131	0.9577145	0.8889011	0.835/365	1.174903	2 4050455	2 0420754	Z.030133
Thioredoxin-1 (Trx1)	1.1230812	1.0713118	1.0190364	1.008812	0.8663642	0.90808333	4 2765008	1,100450)	0.7353747	1 0078796	0325323	0.13676777	1 0052402	0.6417587
Carbonic anhydrase III	1,55/1/64	1.0336/30	0.74424305	0 080600	1 0260414	1 0058285	10125313	1 0074236	1 0032027	0.9205232	0.89464164	835923	0.84165436	1.6313605
Phase-1 RCT-140	4 007805E	0.06554825	0 9735084	0.805109	0 7609197	1 2479509 (0.87902087	1.1973777	1.0943105	1.177203	1.3924387	1.4643393	1.1195097	0.29872575
Complement component C.S.	1 006866	1 6207134	0 7240624	0 57982284	0.4565747	0.4627134	0.8838492	0.7040563	0.64182127	1.1633391	1.2551272	0.7959354	0.9815579	1.094789
Discourage	0 9584365	0 9998043	0.9423206	0.93235743	1.4046055	0,9767616	0.9638476	3.96192324	0.96525204	0.9962456	0.71302134	0.95747674	0.73584276	1.0017159
2 methyladeolne DNA rivoredate	0.9617858	1 063002	1.0197123	1,0802994	1.0754836	0.9237024	0.94569147	0.3990205	1.023182	0.9971294	0.88967985	1.0023831	1.290497	1.8809749
Perodomal mullifunctional enzyme type II	0.82754046	0.9039344	1.105777	1.0666063	1.0393927	1.0367752	1.0424678	1.0272564	1.0256476	0.8668762	0.87375546	0.48586982	0.57944894	1.037631
Phase-1 RCT-40	1,0646025	0.943564	0.72395474	0.72797734	0.7241581	0.97362	0.8857274	1.020949	0.98518074	0.7941262	0.6146483	0.42823043	0.51682956	0.65823123
Senescence marker protein-30	1.0684735	0.9785754	0.78373265	0.6749392	0.54465044	1.082271	1.093525	1.1853379	1.1663637	1.1076714	0.2828463	0.31498656	0.3388330	0.3833445
Cydin G	1.0046062	1.0156518	1.1025336	12254035	1.1592332	1.0911762	1.1682767	1.1554235	1.0402974	1.0335515	3246979	3.45/78/0	4 5004047	1.4323377
Melanoma-associated antigen ME491	0.86700773	0.96662	0.7895012	0.86083156	1.1305643	0.84844416	0.8481086	1.0443178	0.961/333	0.9318530	1.4/0/443	1.4097623	1 187005	1 5255644
Phase-1 RCT-28	0.95809764	0.9776539	4 050752706	1.0141413	1.0495982	0.98391233	1.0071777	1 00 20 941	1.0402478	0.8535997	082249314	0.8678658	0.9476531	1.0777112
Emerin	0.41873962	1 6185217	0.5215533	0.5969614	0.939155	1,6857448	1,0831046	0.8466064	1.0256118	0.8102844	0.18983369	0.3071824	0.12800981	0.41586024
Stem cell factor	1 2083893	1.0194987	1.0337074	0.94287753	0.7633883	0.9900981	1.069753	1.0640366	1.0150657	0.99799824	0.5494676	0.7966409	0.80660623	1,3101155
JNK1 stress activated protein kinase	0.91506517	0.8071423	1.0597832	1.0636333	1,3360765	0.93370616	1.0431865	0.905728	0.94707495	1.0928779	1.1081916	1.1533445	1.1383472	0.5468407
Protein tyrosine phosphatase alpha	1,392655	1.1094499	1.1185402	1,0926348	1,3295885	1.0086132	0.97105	0.9604094	0.9918141	1.1522256	4 4200016	1.0568322	1.076/839	1.83888004 1.83848674
Phase-1 RCT-55	1.257592	0.819069	0.9695973	1.179635	0.9249211	0.835499	0.8632738	0.9511315	0.90884/9	0.954855	2 1065512	1 6101443	13191372	0.9810194
Ublquittn conjugating enzyme (RAD 6 homologue)	1.1333488	1.006145	1.1799765	1.09/3038	1.00411/4	4 4580708	0 8700525	1 2004129	1 1000584	1 1760023	1 60 167 43	1.4623646	12654377	0.4169716
DNA topolsomerase I	1.01501	200777000	1 13595372	1 0490385	1 1940007	1 2342781	1.0894498	1 2267095	1.0038025	0.8396637	0.93454236	0.7705088	0.82171553	0,93547267
Phase-1 RCI-280	1 0276743	1 1257976	1.128045	1.1676245	1.1636626	0.9598176	1.0363431	1.1149348	1.0966605	0.97036785	20.531837	12,397859	16.049902	0.9747338
Beta-tubulin, dass I	1.0314034	0.93696225	0.79720527	0.89731383	0.5525056	0.8657698	0.68654734	1.0923228	0,7785361	0.7423398	1.6685593	1.3413569	1.7304004	1.5405242
Carbamy phosphate synthetase I	1.1840132	0.8719307	1.4076178	1.4582316	1.4288117	1.1081667	0.9810862	0.79774874	0.88825566	3509055	0.49865005	4 3240253	0.2333014	1 2052418
Diacylglycerol kinase zeta	0.972401	1.0347123	1.0468929	1.1162064	1.02984	1.1304292	1.00/3313	1 8342329	1 2051562	1 382908	4.891912	4.978822	3,7161067	0.8664568
Phase-1 RCT-141	1.0344005	2045CTEB 0	0 92181295	0.976954	0.8579964	0.97998685	0.9227863	0.98909646	0.91332495	0.8470209	1.9878981	1.9108706	1,7060933	1.3666638
Dames adds Advalagmin	0.90701365	0.67315155	0.94477147	1.3242338	0.8463712	0.684848	0.7874003	0.8777439	0.8579134	0.74407697	2,5017965	1,3674963	1,5712758	0.82314366
Ribocomal contein 1 134	0.9968991	1.1772531	0.94227594	1.0867789	1.0647409	0.96302587	0.94749546	1.1012404	1.0865926	0.97240454	1.4947401	1.6624883	12439847	1.0576942
I/B-a	0.9334734	1.081199	1.0004733	0.98427993	1.0914755	0.85262775	0.9202379	0.9711289	0.88477315	0.8734118	3.482708	7 3264265	2.814320	2 4649675
Phase-1 RCT-65	1.2901063	0.96534044	1.0963484	1.1762989	1.1829572	1.1986033	1,0116844	1,0063257	0.0074078	1 0000014	1 4667748	1 4625305	18214475	1.4467468
o lui	1.306656	1,5004582	121/100/	1.32.386.35	1.3030311	1 2811448	1 0612005	0.9222646	0.98103315	0.9725015	0.5983142	1.0733088	0.733268	2.9811418
Protein O-mannosytranslerase 1 (Portri)	1.4303303	1 2246265	0.9693817	1.0442383	0.88405836	0.9594442	1.1410923	0.79675287	0.9339965	0.84431046	0.8604242	0.8521867	0.7746885	1.4384546
Phose 1 PCT.12	-	0.9738639	1,0475565	1.0352547	0.9521459	0.99096286	0.9147278	1.1299034	0.9940853	0.916762	1.0496062	1,3990395	1.1467246	1.4200705
Interferon related developmental regulator IFRD1						7 000000	4 005064	242500	4 424748	1 0588284	1 5046431	1 1177357	1224353	975695990
(PC4)	1.0728949	1,0235034	12561146	1.0/329/3	0.924501	1,0330010	0 07504645	101103/0	0 00R0126	1 0919958	1 9102490	2,4266512	2.4011679	0.582328
Gucose-regulated prolein 78	0.8333687	0.32565254	0.677770	0.6784614	0.0321173	n 96901904	1 0091366	1 0656422	0.8923258	0.92414635	1.0518205	1.8228394	0.8862202	0.9768385
3-beta-hydroxysteroid denydrogenase (HSU3B1)	1 0000072	0.9959047	1 0467478	1.0624574	1.0822659	1.0233717	0.98267025	0.99404156	1.0026886	1.0208048	0.7576094	1.0710107	0.790594	1.3844489
Caspase o	1.2413396	1,0501451	3,3783185	0.83683026	0.7389251	1.0824522	1.0230948	1.0575747	1.0757723	1,3243555	48,93563	85.23488	36.190882	1.0867108
Phase-1 RCT-197	1.0394638	1.0805802	1.0223625	1.1421398	1,3815345	1.0674584	1.1294522	1.1085479	1.1012568	1.0513813	1.63027	1.8056266	1.380795	0.9695849
Phase-1 RCT-34	1,227123	1.0418711	0.8567238	0.91864717	0.6565795	1.0098627	0.8561175	0.92009383	0.9737912	0.8848324	0.41850212	0.40707484	0.0691100	0.7140007

				300000	*****	101011000	0000000	1 04450501	050504001	4 45555201	1 2197/721	1 360233	1 10610961 0	92598325
Phase-1 RCT-72	1.1630596	1.1051718	0.9726219	CS/00995	1.1/04194	0.3044830	4 0775057	1,0140032	4 magaggy /	0.00015006	0 7058793	1 0065826	1.1384441	1056601
Pyruvate kinase, muscle	1.1040856	0.99846005	1.0610033	1,01003003	0.0001777	0.93332433	4 1683575	0.9517787	0 9477911	0 9025404	0.56155235	0.37525007	0.52495974	0.522611
Phase-1 RCT-288	4 4257749	1 0242627	0.7692767	10031018	103812	0.9815836	97130406	0.965365	0.98755497	1.0436151	2.052649	3,296794	2,5804646	1.1700621
Priase-1 KCI-90	0 637 19976	0 7165835	0.8321217	0,61682546	0.72609264	0.8820906	0.9549015	3,90228945	1.6493988	1.0798064	0.6684375	0.38289773	0.2999805	0.7468078
Phase, 1 RCT-290	0.99461395	0.91000724	1.4572315	1,9404045	2.091663	1.0602595	1,0017263	0.6908721	0.6042407	1,3479801	0.6608008	0.85859084	0.9511876 0	.66225094
Phase-1 RCT-281	1.0464053	1.0871922	0.98292965	0.9092917	0.96594095	1.0784272	1,0032481	1.0401248	3.92512375	0.9302578	2.3917153	2,0101795	19025611	3.3663457
Methylacyl-CoA racertase alpha	0.811109	0.8992773	0.92279726	1.0428332	1.3808391	1.2528465	10715331	1.2922628	0.9939323	0.86636925	210686	0.69400585	0.73300400	1 4623764
Cytochrome P450 1A2	1.3122174	1.7646217	1.2089363	1.6187009	1.4045641	0.75488544	1.1209207	7.2638184	8184 0.98529743	1,5556955 0,88	20636723	1 0877588	1 4669493	50046924
Phase-1 RCT-297	0.9715244	0.9737637	0.94915974	1.05/3165	1 2819547	1.1308024	1.034700	4/100/0°L	0.9282975	1 122 1595	1.4222019	0.6732517	1,1033081	38840094
Monoamine oxidase B	0.74613363	0.8535385	0.84122586	0 85887825	0 6865123	1 1299378	1,1915331	1.273955	1.2724485	1.1802365	0.6642921	0.62908244	0.61219573	0.5881902
Priese-1 RCI-204 Demoisons amiliarates activated resentes remona	0.996599	1.5850098	1.1310933	1,0976676	1,1105578	1.3675216	5848	0.91865474	0.83633497	0.88236207	0.66115415	0.8398752	0.9596175	1.6823552
Descent DCT-143	0.9695593	0.9246582	0.9951674	0.91905266	0.92256045	0.9357087	0.94416803	1.0282204	0.98791414	1.0255524	1.0578274	0.7400627	1,0096037	0.9823734
Dhera 1 DCT 251	1 0083994	0.90613014	0.92545575	1.0565841	0.97351766	0.8758234	4718	0.84993637	1.0497032	1.0039599	0.5528879	0.17360409	0.48486882	1,2391624
Phase-1 RCT-127	1.0625942	0.9385294	1.1334645	1.1119177	1,1005216	1.1737834	1.231041	1.124014	1,061891	1,3742365	0.74658084	0.6893979	0.9803574	0.7521959
Guathine Stransferase Treta-1	1.2014712	0.83689437	0.9606767	0.8216296	0.753203	1.0419251	0.83008313	0.B2449424	0.94455725	0.7624522	0.87802714	0.561988	0.66188685	1,5797127
Phase-1 RCT-91	0.94955236	0.8568639	0.992068	0.0475371	0.8950986	0.9342304	0.85348877	1.0200946	0.97627866	0.83825895	1.0335997	0.92155/6	77590150	0.7469463
Phase-1 RCT-148	1.0668529	0.9960465	0.93704695	1.0542784	1.4801328	1.0054348	1.0365793	0.75673133	0.91085825	1.0392820	0.61313033	0.3740033	0.00240300	0.7257402
Phase-1 RCT-142	0.8871297	0.94010588	0.9781444	0.99912065	0.96351403	0.9050125	3,968652594	0.9/96038	0.35625/85	2000	1.1044338	4 453696	0.000335	1 437519
Activin receptor type II	1.0885621	1.0700827	1.1826566	1.0249768	0.976322	0.8978405	0.9789834	0.87797374	0.8434833	1 00127	0.095500.0	0.62264087	1 0564967	69789356
Glydne methyltransferase	0.65758616	0.77885896	1.3386273	1.1855576	2.3357434	1.09724	1.1626364	0.6963/886	0.0523030	1.0012401	4 0014578	1 205505	0.8750931	0 9456543
Phase-1 RCT-281	1.0129528	1.0348274	0.941618	0.819039	0.9528116	1.0055918	1.0/36301	0.9345174	0.87630335	0 99753117	1.175421	0.9728258	1.1905367	87407633
Ciliary neurotrophic factor	0.9/1/0/64	1.0200200	7400001	0.3506620	0.3070003	0.3041	1							
Cap Jurcoon memorare channel protein cela i (cylin)	0.9636494	12223098	0.9554853	1.0780705	1,3050799	1.5227916	1.4671884	0.99889237	1.256275	1.0084825 0.35618287	0.35618287	0.56515354	0.40217384	1,2620857
Dhaca 4 Dort as	1 0759774	1.0906545	1.0258034	0.93234956	0.8904138	0.99916136	1.0470465	1.0422032	0.9523604	0.96219885	1.4835973	1.0611361	0.95050305	1.244199
Phese-1 RCT-287	1,0620903	0.9437181	1.1534063	1,1490415	1.1162273	0.9477836	0.9604146	1,0962455	0.97720516	0.8461351	0.95828944	0.4609412	0.73961145	0.9893184
Retinal-binding protein (RBP)	0.8671904	0.8977206	0.9624141	0.98580754	1,0271393	0.82774734	1.0296747	1,0157809	0.95674914	0.81559855	0.9201819	0.43627223	0.76850474	0.7454385
Very long-chain acyl-CoA synthetase	0.75101036	0.94741744	1.0115439	0.9938036	0.9063297	0.97685015	1216966	0.8578318	0.9648392	0.9339997	0.9905/65/	0.49//0115	0.0400/0000	0.3134100
Syndecan-1	1,2896196	0.93869966	0.8252612	0.89962405	0.7089325	0.974398	0.9723333	0.9057104	200909112	1,055/38	1,5600357	0.87314300	1 0136636	1 0681078
Stathmin	0.9954023	1.0919589	1.0042497	0.9991654	0.9/346///	1.0309118	8/881CD.T	4 0424864	2 8	1 042049B	1 27148	1 170529	1 0039934	0.8192432
Phase-1 RCT-145	1.0342443	0.995/982	1.09/1016	1.1123116	4 06400323	0.000000	0.000134	0 00043005	0 8783007	1 009499	0 9448063	0.6645337	0.9264391	62759805
Axin	4 0050203	0.9606953	0.9302427	0 8044543	1 0222008	0.0350/000	1 0379331	0.86039734	0.87199855	1,024279	0.4843124	0.45964047	0.5126839	5,58183106
Phase-1 RCT-89	1,0003303	0.92 100304	0.9203030	0.0244343	0 96208614	0 9715707	0.9663368	0.9574373	0.9762683	1.1813173	0.9880024	1.065433	0.94812167	0,5076294
Saropiasmic reliculum carcium A i Pase	0.09670523	0 8969706	1 0797632	1.3289794	1 2440596	0.98310965	0,98592937	1.0488796	0.9737954	1.0991638	12402723	1.5531377	1.2850043	3.87414473
April 4 Det 204	75005720	0 9822218	1.1304888	1.1514928	1.1952876	0.98736924	0.99449986	0.9995009	0.97225726	1.0208148	0,9971521	0.9422084	1.1783935	1.1363025
Vascutar endethelial growth factor	1.0229851	1.0163896	0.9977878	1.0771067	1.0971533	1.2845117	1.052772	1.0162737	1.0295428	1,0003519	0.56144714	1.0332147	0.81235826	1.1117624
NADP-dependent isocitrate dehydrogenase, cytosolic								0,000,00	3300000	20044476	74494647	0 2672418	0 309750A	72200135
	1.1027197	0.9581456	0.8428694	0.8044283	0.7353923	0.92856055	1.15/1048	44504002	0.30020	0.4110000	0.0524384	0 74702976	O 67881143	1 115951
DNA binding protein inhibitor ID2	0.8545526	0.9127823	0.8958786	1,0863153	0.9001426	1.13/9/5/	0.50000000	1.1321302	0.69257516	1 0041105	0.86901563	0.6190907	0.7041917	0.266844
Gtutathione S-transferase Ya	0./8042405	0.6465164	4 0030666	0.8820/11/	4 4734505	1 064949	0.6511565	0.5804643	0.88559675	0.78709793	0,30417183	0.60845435	0,58162534	1.3695344
Epoxide hydrolase	4 0055254	4 3256344	0 9180503	0 78038716	0 62162364	0.9223839	1.0650337	0.9326337	1,2028185	0,90687925	0.74325246	0.87019575	0.43863207	0.48337215
irsuithike grown racuit	0.0611734	0 9213542	1 4267728	1 1759274	0.9474228	1,2052066	0,93675584	1,3009627	0.9851586	1.1765392	0.5333275	1.0978456	0.9315088	2,5200539
Proceed and in symmetry	1 1057508	0 99947788	0.8401099	0,8171985	0.96249396	1.0156314	1.153282	0.9413136	1.0655013	0.8748218	0.8978253	0.6685307	0.7761837	1.0761565
Discont RCT-137	0.9830013	0,84759915	0.7707565	0.6632699	0.7306966	1.0340786	1,0217241	1.0294142	1.0793111	1.0100483	1,0219486	0.7302831	0.8877439	0.6135149
Phase-1 RCT-138	0.9113511	0.9188703	1.006721	0.8036438	0.9688378	0.9984215	0.92664814	1,0367659	0.97148883	0.9446187	1,0706896	0.7552821	1.0/1//28	0.9028395
Hepatic tipase	0.6826787	0.87773764	0.72650178	0.5782324	0.60888124	1.1218385	0.9825698	0.9299979	0.9465327	0.75926/15	0.9550846	0.75549380	0.7896069	1 147723
Phase-1 RCT-164	1.8865851	1.0693965	1.2155776	1.0502344	1.003421	0.91152936	0.9565368	1.55661/8	4 4005473	0.8434827	0.0002444	0 6269467	0.7066704	0.5681189
Acyl-CoA dehydrogenase, medium chain	0.9947106	1.0691725	1.135846	1.1762885	0.9/145486	0.5327391	0.8547 1000	0 7789RR	0 90258574	0.83488095	0.7239762	0.35354602	0.5428635	1,245194
Gutathione S-transferase Yb2 subunit	1.3165826	4.20400014	4 ACC0275	4 456588	4 0725026	4 0029055	0.8555784	1 0261704	0.94383764	0,88512963	0.84635204	1.1964006	0.88383466	2.0829124
Carbony reductase	1 1361979	7822107	1 0989224	0.90754956	0.8184763	1.0542107	0.8652179	1.0567375	1.0734323	0.9056312	0.7910574	0.56424268	0.75820535	1,4323363
Application F	1 0120109	1.0342125	0.6687394	0.69054955	0.83901507	1.0186162	1.1579946	0.950652	1.0171405	0.92938143	1.3441764	0.7501206	1.1731261	0.37627214
UDP-olucuronosytransferase	0.86990584	0.7687069	1.0391896	0.47483435	0.7930431	1.0049348	0.82430905	0.7762079	0.85582256	1.026923	0.5991504	0.538048	0.584689	0.62840.38
Glutathione S-Iransferase P1	0.89180076	1.109989	0.78829676	0.8528903	0.9364118	0.9339667	1.0326807	0.76352066	0.93793625	4 4045245	4 0722086	0 6901294	1 6337173	1 4295224
Disulfide isomerase related protein (ERp72)	1.0524738	0.9855161	0.82020104	0.76321554	0,6764314	1.066883/	1.0347296	1.0393702	4 4200073	1 2043213	0 83920355	1620900	0.85595757	0.77273893
Ribosomal protein L.13	1.0595105	1.09104/9	0.65841656	0.7592834	0.86795926	1 4339638	1.3464643	12615108	1.1991496	1.180385	2,6089811	1.9174914	1.9963762	0.5994545
Letropastin	1 0140302	0.99702716	1.1079112	1.0289353	1.1341738	1.5841705	1.146921	1,5664406	1,2609458	1.618251	1,6584265	1.8583839	1212021	0.49939537
מווכן לוטוים וווייותון וויי ווכסיד כיפוון נוויידין		10.11.10												

Phase-1 RCT-3						J 00277 SALTER								
	0.9282918	1.0188123	70505577	1.0000207	1 BER39744	7924240	1 0276126	1 235569	1,1780248	0.7530456	1.0425473	0.63336253	0.5235048 0	.68617237
Fetuin beta (Fetub)	1.1130111	0.000000	0.7039-037	0.8611945	10254647	1 0409692	1 0653353	1,0058484	1,1026609	1.0457914	0.8081385	0.649473	75850797	0.6733778
3-hydroxyisobutyrate dehydrogenase	0.9654649	0.9240080	0.30003073	0.000.000	0 2000000	3543888	O ZEABERA (1 97584783	3 91770715	3 79823846	13484566	0.52952737	0,5532153 (.62161654
Carbonic anhydrase III, sequence 2	85884404	0.6562652	0.5442493	0.0020402	10447776	4 4664670	4 4897285	3 B4605604	1 0629486	10447951	0.6622089	0.5436755 (56911796	.66347325
Phase-1 RCT-10	0.9959249	0.820432	0.8830073	0.00/450	1.04427.33	0.00000	1 0357286	302012136	0 9939011	0.5819353	1.4632276	0.7214743	1.1660994	0.4701115
Alpha-2-microglobulin	1.25123	0.85816333	1.1003034	20200001	0001000	4 44 57 404	4 0338710	1 0888918	A 92748034	1 0436897	0.8505613	0.643906	1,0792165	0.8424009
Dynamin-1 (D100)	0.9744792	0.90012723	4 45 473 48	9000000	0.351302	0.0838777	0 9951682 (0.90086675	0.95911765	0.87159896	0.89641	1.3323473	1263798	1.7701812
Lysy oxidase	1.1530592	40.00000	1.1342210	2000	4 450643	0.00000	0 9245623 (0.78005566	0.8282145	12558591	0.52551746	0.45476463	39006445	.42076557
Phase-1 RCT-252	1.08010/8	0.000000	1 09083304	1 1139715	0 8129122	1.0630721	1.011961	1.0719883	1.0404077	1.2045897	1.0187812	1.2275554	1.0926772	1,1276152
Phase-1 RCI-29	1 0477515	1 116390	70206626 0 665	0.9328786	0.8388396	1.0527725	1,017562	1.1859204	1.088202	1.0853475	1.1598474	1.5155294	1,0590086	0.8601879
Phase-1 KCI-2/8	0 R712707	0 9297447	1.0412788	0.9600571	1.1066391	0.92704475	0.9796139	0.9441103	1.0199487	0.92048794	0.8136181	0.5823852	0.8104695	1,2932074
Prizse-1 RCI-42	0 9882912	0 9907747	1,125582	1.0950414	1.1616021	010783		0.9906328	0.9681707	1.0345908	1.1162666	0.86432385	1.0136821	0.8578011
riaso-i noi-co	1 0013485	1 0219748	1 0399243	0.99663645	1.019622	1.1055686	1.2382896	0.85756755	0.7672422	0.9167627	0.9348055	1.4556334	13594973	1.7173108
Cytodianie resultati	1 2073821	1.0321186	0.90790707	0.8736921	0.8218364	1.0112885	1.0688194	1.0459262	1.0439129	0.99163514	0.98999316	0.636147	0.85191315	-
TRIBING TO SEE	1 0902777	0 9479859	0.87690324	0 829453	0.7695995	1,3404813	1.2303226	1.1682683	1.0991892	1,2805012	1.1020656	0.6819367	0.7967162	0.9246399
Complement ractor 1 (CF1)	0.0176267	4 0970017	1 0408714	1.0058836	1,0299654	0.9249895	0.8857636	0.94875723	0.87413925	0.8852767	1.6231809	1254984	13308322	1.4740138
A Title Control Control and State Serie	1 1841124	1 4645878	12486728	1.0715251	1.0396997	1,0964359 (64359 0.97522014	0.9552391	0.94648105	0.8898185	1.7816947	1.7727222	1.231608	1.7054068
Coming tensoripada lactor s	194602966	1.0046738	0.9989738	0.9571227	0.8912541	0.9701622	0.9741653	1,0131148	48 0.96640974	1,0181396	1.671383	1.3634831	1.519662	1.0319128
Pucket a DOT 200	1 0401973	0.9939677	1,04399	93881	0.99807906	0.9380813	0.9744469	0.90099466	0.9569861	0.9224083	0.7643685	0.5165652	0.7193102	0.7683351
CO2-100 - 10	1 89530204	0.9187394	0.97319806	30398	1.0138126	0.9852872	0.98081726	0.9856601	1.0131525	0.98886216	4.533515	3.738828	2 2995514	0.9884219
doin	0.85785747	0.94836503	0.92586535	0.98334754	1.0034567	1.0270617	1.0318418	0.8845413	1,2101266	0.87432855	0.6161139	0.40214333	0.5363564	1.0240558
ş	0423	949		1.3042239	1.2738571	1.0519833	1.0611436	0.9614006	1.1066346	0.83836097	1.5966864	1.6918482	1,9732311	5.509003
I A (I) Siplie Ciemi	0 6302026	0 7948387	0.92881066	1,0357335	1,1858885	0.92315483	1.0017977	0.9243936	0.9758415	1.1063622	1.6879283	0.85617566	13342141	0.3985789
Am sunoranserase	0.00000	0.97345726	0 96110815	0 94338363	0.90516263	0.91973984	0,9819197	0.9804053	1.0511826	0.9077408	0.8390589	0.8010715	0.8901494	78934485
Page-1 PCI-171	OZERACK7	0 93138766	0.79552054	191678	0.6977184	0.8906724	0.9208072	1.262174	0.97407657	0.9861133	0.87230414	0.60356283	0.8482395	0.9113903
Mase-1 Roll-63	0 000/623	0 7613346	0.7571247	0.6639367	0.8706854	1.004659	0.96907645	1.0882479	1.0955831	1.1575916	0.43177757	0.46032068	0.4836426	0.5518974
Phase-1 RC1-2/0	0.00000	1 0302236	A 9685478	0 95167744	0 98746586	0.86958015	0.9114207	0.88519144	0.91601816	0.8969241	1.2769513	1.0393589	1,0697206	95228584
Colony-Stimulating factor-1	4 0479410	0 0251102	2652772500	0.8956305	0.8518307	1.071978	1.0702027	0,8460539	0.8569782	0.85937417	1.2787918	1,3507085	0.99013036	1,2097855
N-Cadnenn	10413606	4 0109726	0 9004656	0 888859	0.8915697	0.9274402	1,0270799	1,1455114	1.0627818	0.8855344	0.6391061	0.8473117	0.7640784	70352596
Phase-1 MCI-62	4 0000	1 0606147	0.005546	0 98690605	0.98506427	10441666	1.0045187	0.9807531	1.0322255	0.93690175	1,0354824	0.84300387	0.8389551	1.0780158
Phase-1 MCI-22	4 3040724	0 00174184	1 0354613	1 0201318	1.0327208	0.98286426	1.0073847	1.0595969	0.9622789	1.0087639	1.0424607	0.96834207	1,0546159	0.9432427
AIS	0 04 49557	0.99429585	0 9288537	0.97371435	0.952036	0.9475948	0.98699725	0.9782123	0.9793334	1.0205207	0.9364237	0.9958875	0.9827222	1.0475577
Descent Det 193	0.9379011	0.97311664	1.0322794	1.0002326	1.0295242	0.95702728	0.915875	0.99567484	0.9816834	0.9575957	0.99832267	0.8135947	10918111	1.1343591
Phase 1 PCT-68	1,0189316	1.1089534	0.65048295	0.7679197	0.65365225	0.916994	0.97145134	0.9078848	0.9585822	0.9820914	0.538414	0.5682845	0.215216.0	02/302020
Enithetive nilmbooxiditionsine sensitive														A 00000 77E
nucleoside transporter	1.1493058	0.9144154	0.8602819	0.7700999	0.7430224	0.95756453	1.0186498	0.96540195	0.88358223	1.0054461	0.7653682	PIBOCICO O	0.0024007	1 1245159
Gucose transporter 2	0.7949852	0.8645886	1.0127991	0.844442	0.8098373	1.0784576	1.2098828	0.6939327	0.8653333	0.66638979	4 0577453	0.20220	O BESTERONS	4 KRR4815
Multidua resistant protein-2	1.0577892	0.8515902	0.91827416	1.0690206	1.0685602	0.98019075	1.0447546	0.7865582	0.9330377	44004703	1,03//133	4 4047643	1 2354573	1 9205793
Multidoo resistant protein-1	1.0681944	0.88282937	1.076228	1,2234182	1.0868344	0.9721396	1.0541419	0.9810248	1.0874/S	1.1004203	4 2504/25	AFTOTAT A	1 4082793	2 6518728
Phosphatidylethanolamine-binding protein	1.1213416	1.0903395	1.075498	1.200124	1.0837235	1.126644	1.0553066	1.0605435	1.1122832	1.0463370	1 239 1020	4 0722502	0.0544748	1 467217
Phase-1 RCT-180	1.1342628	1.066888	0.93264997	1.0435437	1.0687058	0.9302011	0.88206434	1,0046300	1.0610362	4 0530400	0 00562476	1 1645141	1 0828799	2 178429
Integrin beta-4	1.0579704	1.117511	1.1000601	1.1473912	1.083481	1.1188807	1.0078317	1.109724	1,0282010	4 4205448	0.30303410	0 7832187	0 7951453	2 4653735
NADPH cytochrome P450 oddoreductase	1.0712711	1.1099519	1.5760638	2.2428071	2.0678034	1.1602//1	1,25131/	4 4345006	1,000,000	4 0812804	1 2486782	1 1703598	1 2436309	1,5763462
Wef1	0.95253545	1.1142666	1.9726/12	1.1823634	1.1003003	1.050245	1.445436	4 0624106	4 008208	4 0307784	11568618	1.0795071	0.7653322	1.3951786
Endogenous retroviral sequence, 5 and 3' LTR	1,3955696	1.1488041	20,000	0.7848111	4 P2062B	4 0424008	1 0586219	1 0031988	10370667	0.92913926	0.804662	1,0060414	0.7183575	0.7840654
Phase-1 RCT-53	0.98//5494	0.97 13500	4 0245231	1 (31622	0 9611937	-	0.96416295	1,056929	1.0451179	1.0016968	1.349192	0.8618036	1.2767946	1,0689591
Phase-1 RCT-54	0.957734	4 0425202	0 8930166	0 7677285	0.9193873	1.0272965	1.1326	0.97508234	0.9831165	0.9862237	1.351719	1.2432823	0.90261674	0.94104356
Mase-1 KCI-240	0 0000015	0 9086231	0.9247825	0.97370356	0.9275799	0,89565283	0.9102669	1.0069535	0.94431645	1.0455853	1.0920808	0.801667	0.88518375	0.62542665
Osleoponin	1 007303	0 8283084	0.97139084	1.041304	0.99595207	1.2412578	1.260251	0,8555812	1.0544735	0.8871704	0.4804028	1.0686453	0,5311385	1.4599788
Organic anion unisperung perspendent	1 0679684	1 0190053	1 0430236	0.995584	0.9536442	0.95368797	0.98568636	1.222071	0.99873525	1.1359118	10,517168	7.0704064	4.074484	1.0600123
Torrio fortor pathurn Johibitor	0.97052366	1.1287719	1.0981865	1.0636905	1,035996	1.1487155	1.0856031	1.2354804	1.054411	1.189767	0.9387615	1.6388675	1.4935337	1,5739334
Cyclin-dependent kinase 4 inhibitor P27kip1 (alternate											,	9 0040000	4 0946464	POOR PACE
done	1.178599	1.3135538	1.11118623	1,2328092	1.2711214	12121495	1,3799179	1.1316744	1.1011468	1.4012383	1,33000	3,0219307	0 0044644	1 2425GR4
Phospholipase D	1,2286503	1.0469973	1.0042769	1.020341	1.0670581	0.9650188	0.9450356	1.0214796	0.0071000	1205034	4 5700017	17304673	1 019554	0.95413285
Phase-1 RCT-39	1.1241415	1.0153269	1.0886611	1.0647274	1.0506914	0.85256864	0.96031684	4 0202704	4 0442732	0 0491845	1 3154438	1 110065	1.0422813	0.9850784
Phase-1 RCT-258	1.1194786	1.0697672	0.9959194	0.95220995	0.9150285	0.3611414	1.0833171	1.0305/04	1 0372754	1 1170837	1 8065592	1 9505999	1,7760825	12367666
Phase-1 RCT-113	1.0189219	1.0731544	0.9905015	0.9296953	1.1659405	ACCOCCOCC	1.000000	0 7890137	0 8871872	0.88229036	0.8877329	0.64280677	0.7498799	1.1385665
Adenine nucleotide translocator f	0.9767371	0.6/346864	4 206266	1 118/138	1 2218274	1 257004	0 9824996	2.0107655	1.2542987	1,4324191	22.56248	16.332865	18.885124	0.41150538
Alpha-1 acid giycoprolein	0.64354515	0.65259030	0.0454067	0 6253409	0 7202618	1 1489731	1,3446711	1,0051292	0.8839939	0.8482813	1.4008996	1,4280113	0.6641939	0.8507924
MHC dass II antigen Kill.b-1 pca-ciani	20000000	0,000000												

Omanic calion transporter 3	1.1394317	1.0479101	1.0479101 0.97470427 0.89786756 0.90231615 0.9302733 1.0176218 1.0866445 1.0734347	0.89786758	0.90231615	0.9302733	1,0176218	1.0866445	1.0734347	1.03967	1,3145806	1,3100103	0.9366572	0.7041165
Hypoxia-Inducible factor 1 alpha	1,0276479		0.3347601 1.1260606 0.94669314 0.85677195 1.0521549 0.94922566 0.99875593 1.0135976 1.0141392 2.1242647 2.5066664	0.94569314	0.85677195	1.0521549	3.94922566	0.99875593	1.0135976	1.0141392	2.1242647	2.5066664	1,6497865	1,2368591
Phase-1 RCT-43	1.0009568	1.0583469	0.9538299	0.9538299 0.8419589 0.9610008 1.0496361 1.0822234 0.96033704	0.9610008	1.0496361	1,0822234	0.96033704	1,010,1	0.9605343	1.2635694	1.3429544	1.01011 0.9805343 1.2635694 1.3429544 0.8761677 0.9629539	0.9629539
Phase-1 RCT-45	1.0572413	1.1656793		0.9504773	0.8893825	1.0632848	0.9417759	1.0358535	0.97797155	1.049617	1.084387	1.6704034	1,1015718 0,9504773 0,8893825 1,0632848 0,9417759 1,0358535 0,97797155 1,049617 1,084387 1,5704034 0,99481434 0,9641112	0.8641112
Malate dehydrogenase, cytosolic	0.86200607 0.91025674	0.91025674	[1.2440665	1.2234036	0.9341894	0.9340611	1.0767184	1.0176072	1.1334363	0.98822665	0.42528486	1.194133 1.2440665 1.2234036 0.9341894 0.9340611 1.0767184 1.0176072 1.1334363 0.98822665 0.42526486 0.6540846 0.72290766	.72290766
VL30 element	1.3631829	1.5273187	١.	0.9411227 0.97075146 1.6161335 0.94981587 1.1709381 1.1650931	1.6161335	0.94981587	1.1709381	1.1650931	1.09933	0.76398915	1,3307316	1,5513877	1.09933 0.76398915 1.3307316 1.5513877 0.9401482 0.89040893	.83040893
Phase-1 RCT-189	1.1221116	1.0827692		1.0134245 1.0565412 0.89091456 1.1045413 0.9493267	0,89091456	1.1045413	0.9493267	1.12705	1.12705 1.1081938 1.1706921 0.88109304 0.7599942	1.1706921	0.86109304	0.7599942	0.7967046 0.60922205	.60922205
Alpha-fetorotein	0.9566591	1.1225623	1.0767351	1.026353	1.0178465	0.94741297	0.98195654	0.9978488	0.99471235	0.9661514	0.7304363	1.0507375	1.026353	0.8777238
Calgranulin B	0.69777155	0.79312325	0.69777155 0.78312325 0.82426673 0.80200464 0.72683376 1.0479113 0.95597905 1.2637061 1.0835167	0.80200464	0.72683376	1.0479113	3.95597905	1.2637061	1.0835167	1.05923	1.1343135	0.5577751	1.05923 1.1343135 0.5577751 0.9648798 0.6123523	0.6123523
Tissue plasminogen activator	1.0453558	0.9862095	0.9866044	0.9702781	0.9500689	0.99756575	1.0166794	1.0547123	1.0110444	1.0490305	12129426	0.8792083	0.9866044 0.9702781 0.9500689 0.99756575 1.0166794 1.0547123 1.010444 1.0490305 1.2129426 0.8792083 1.2442136 1.0335097	1.0335097
Phase-1 RCT-195	1.0421226	1.0421226 0.98139447		1.0272804 1.0677426	1.0782954	0.9987607	1.0028956	0.9934112	1.0238967	1,0570024	1.0932873	0.7868724	1,0782954 0.9987607 1,0028956 0.9934112 1,0238967 1,0570024 1,0932873 0,7888724 1,0248915 0,74509573	74509573
Liver fatty acid binding protein	0.7825671	0.9990473	0.9990473 0.73637825	0.869403	0.6423777	0.962485	0.9678771	1.0562513	0.9678771 1.0562513 1.3232195 0.7775913 0.8133724 0.76206017 0.43131232	0.7775913	0.8133724	0.76206017	0.43131232	0.476585
Alpha-1 microglobulin/bikunin precursor (Ambb)	0.9178029	0.9178029 0.96758467	0.8363663	0.8124348 0.86341166		1.0023842 0.8792364	0.8792364	1.0660801	1.0774693	0.9471142	1.0774693 0.9471142 1.2146802	0.753554	1.000766	0.7994211
Phase-1 RCT-294	0.9690296	1.0418274		1.0578572	1.1078074	1.1078074 0.95278317 0.96344125	0.96344125	1.0584329	0.9765315	0.9688863	0.9765315 0.9688863 0.95262647 1.0350548	1,0350548	1.0687158	1.2199569
Phase-1 RCT-151	0.963202	0.9645839	0.8513446	0.9820003	0.8883823	1.0666069	1.0375398	1.1488409	1.1242687	0.9399206	1.4291904	1.178712	1.358139	1.1091337
Phase-1 RCT-158	0.96585083	0.96585083 1.0378313	1.0955437	1,0327219 0,9724584	0.9724584	1.1781633	1.0387026	1.0639029	1.0259333	1.0588988	1.1619487	1.0008414	13665321	1.4241259
Phase-1 RCT-221	0.91962653	1.0169015		0.9191205 0.8888701 1.0511945	1.0511945		1.0395994	0.9994119 1.0395994 1.0425329	1.0926871	1.0177222	1.0888729	1.1444511	0.9079188	0.9634847
Phase-1 RCT-235	0.98901063	0.9464768	0.9650613	1.0100391	1.051809	1.0381477	1.037269	1.037269 0.93454367	0.972176	0.979183	0.979183 0.9166682 1.3133769	1.3133769	0.9128911	0.6833937
Organic anion transporter 3	1,1040555	0.797064	0.9394655	1.3134749	1.15901	1.1716986	1,1842765	0.84528655	1.1842765 0.84528655 0.96846896		0.46640325	0.8297813	1.0475003 0.46640325 0.8297813 0.6340544 0.81210685	.81210685
Matrix metalloproteinase-1	0.9343246	0.8343246 0.90849864	1.0869126	1.0570588 0.85787547	0.85787547	1.0727559	0.9830374	1.1279216	1.0597799		0.7313246	0.9457606		.77408797
Urinary protein 2 precursor	1.0231919	1.0231919 0.9606279	0.7878255	0.72198254 0.60221195	0.60221195	0.9476535	1.0514728	1.0400233	1.0400233 0.95424324	0.9450388	0.9450388 0.90616214 0.7392176 0.73250157	0.7392176		0.3647058
Plase-1 RCT-212	1.0360703	1.0360703 1.0193738		0.9634308 0.9950288 0.9932917 0.88355476	0.9932917	0.88355476	0.9999468	0.9999468 1.0203595 1.0179217	1.0178217	1.0982866	1.0982866 0.83022213	0.7993874	0.8872975	1,2010728
			1											
(1) Gene expression data for 8 hour timepoint are														
presented as mean ratio of treatment/control for all 6													_	
hour predictive genes (Table 18).														T
(2) Compound and dose abbreviations as in Table 1.												_		
(3) Individual animal number														
(4) Liver inflammation classification for compound-													_	
dose group at 72 h; yes-necr, necrosis observed; yes-														
boon, necrosis with trainmenton observed; no, no histopathology observed														
(5) Predictive gene (as in Table 18 and as included in														
110010 20/														

Table 28. Expression Data for 6 Hour Timepoint (1)														
						ALAL AE	ALAL AE	NA! 180	OC BOARC	OR BRANC	PRARR 20		PBARB 80	PBARB BO
Compound-Dose (2)	MET 1.3	MET 1.3	ο ¥		NAL 45	247	Ž	2651	200	2622	2623 2631		Q	2633
Animal Number (3)	777	2223		777			207	2	90	2	8	-	+==	ē
Liver Toxicity Inflammation Classification (4)	9	2	2											
less the like armyth factor binding gooden 1	0.836329	0,68072593	0.4722701	0.6238672	0.9155845	0.9703859	1.0815454	1.4179277	1.2372787	0.9915605	0.914017	1.106 <u>0</u> 444	0.87410617	12568069
Gadd153	1,7123194	1.2044247	1,5656763	1.4602768	0.7791075	0.83704114	1.8379778	0.9951789	1.0247533	1.1156038	1.8162385	1.1323488	1.013142	1.10101.1
omo	1.6644868	1.6195909	1.6347424	1,6002514	0.9212689	1.2761987	1.0178604	1.119941	0.9038844	4 0742645	1.0651381	1 5922004	4 400624	1 24695613
NIPK	1.7507889	1,5361422	1.1310045	1.0576954	1.0257678	1,2061241	3690506	1.1220500	0.0552244	0 86670905	0.7091564	1 0257555	1.1249918	1.2587708
Cathepsin L, sequence 2	1.0012082	0.82511115	1.323302	1.2226253	1.0222241	1.0717091	7071425	2 8051182	0.6506793	0.6321205	0.81506465	0.83736694	0.6587765	1,088914
Heme oxygenase	219/19/2	0.8519/026	0.8000301	0 5422646	1 0476534	0.98403347	1.1953714	1.2668154	1,0482209	1.0670625	1.1010877	0.7723628	0.80661273	1.0653814
Mase-1 RC1-105	0.02007817	0.8713356	0 7859194	0.8506458	1.1189896	1,1093512	1.2077861	1.1491444	1.0622383	0.8216304	0.85512906	1.0316507	0.6603625	0.8236298
Amplice uningle base	1 0245849	1.3214672	1,319278	1.4901671	0.998091	12113259	1.4027214	1,3859622	1.172175	0.8735927		0.69170743	1.1273544	1.9792662
DNA polymerase beta	0.7194482	0.7533247	0.6000021	0.99519515	0.99065403	1.0371908	1.1594164	1.0184084	0.9660873	0.9526808	0.93765604	0.99147046	0.8581015	1.0744135
Phase 1 RCT-103	0,8311026	0.90393865	0.82009894	0.91846186	1.171865	1.1650338	1,3321918	1,1319772	1.0824085	0.82503563	0.85018456	1.1653963	0.7460167	3,84011227
Ribosomal protein S9	2,0038948	0.8672177	0.9067964	0.97628826	1.1809913	1,3458503	1,3619916	0.96883595	0.8093472	0.9995898	0.96983534	0.7124483	0.69193584	3.78693444
Prese-1 RCT-114	1.0185402	1,3465297	0.85173714	1,2035929	1.0987661	0.99644107	0.99461764	1.347446	1.0989066	0.9747658	1.0530599	1.0956564	1.0263621	0.9450
Phase-1 RCT-15	2.1789854	1.4221032	2,5069609	1,5998527	8	-	0.87575316		1.6196376	1,6505365	1.4562314	1.1000002	1.2842800	4 2450438
Macrophage Inflammatory protein-2 alpha	1.1934859	1.3763627	1372251	1.4357891	0.8197635	0.98173785	1.1691839	1.0030078	0.593500362	1.1352820	2000	2460600	2000	-
NGF-inducible anti-proliferative putative secreted	200000	o proposal	2/2010076	20127670	1 0443108	0 82380754	0.86020285	1 0579156	1.0100541	12219512	1.0425868	1,038099	0.86180043	1.0103569
protein (PC3)	4.000062	9.52003023		4	1 1775-369		1 25RB482	1 2083637	1,3506318	1,0483084	1,2551949	1.1673695	0.99391013	1.395865
Prose-1 KCI-181	1.2030032 1 1777838	0.05844394	2 1788466	2.478996	0.92923987	0.9250112	1.08473	0.95421876	1.2656754	1.1793778	1.0711067	1.1503358	1.1133709	1.0832511
PIRSO-1 NO 1-63	1 5387789	1 5053675	1 0807768	1 1643916	0.99189293	1.0709559	1,4885808	0.93849564	1,0108973	1,0065854	0.9875221	1.0472928	0.95431068	0.8345759
Dhore 1 DCT 108	0.9192273	0.9629594	0.73955643	0.9211564	1.2063029	1.2021775	12615505	1,2249786	0,9782198	0.79176605	0.77630603	1.1852041	0.77668417	0.8652891
Phase-1 RCT-58	0.7495046	0.8713833	0.5890529	0.7367076	1.2265668	1.0376166	1.5391164	0.7696049	0.8721643	0.80429703	1.1902766	0.7454251	0.65871894	0.76866615
Phase-1 RCT-192	0.8391752	1.0480027	0.7732517	0.97044307	0.93361753	0.95883366	0.9909128	0.8497414	1.0798811	0.994618		1.1881644	0.983349	1.0626/83
Phase-1 RCT-75	0.9640312	1.0278354	1.1472554	1.1335636	1.2784487	1.2602512	1.1567805	1.083776	1.0575826	1.0405253		0.88036783	0.73636000	T.030500
Acetyl-CoA carboxylase	1,0344888	0.68536234	1.0089206	1,0234956	0.9612424	0.88637537	0.85759974	4 05520437	0.9915635	0.8865271	1,010,30,28	0 99048408	0.8854996	0.83376324
Phase-1 RCT-95	0.9319039	0.9105414	0.80066430	700000	1.1030032	1 0069061	4 01 43318	0 R144777	0.74127775	0.8222431	8821946	1,0239909	0.9996183	12681171
Cystadin C	0.7017978	4 044 0875	0.6830772		0.08502916	10414908	10148319	1 2372597	1.0190192	1.0418191	1.0214984	0.97357273	1.1563894	1,0542681
Phase-1 RCI +9	0.3340436	1 0417695	0 72067296 0 966731	0.96623105	1 3985769	0.9493544	1,457924	1,5380927	0.4397172	1,5167454	0.97312856	0.7597116	1.1963968	1.0270305
Prince-1 RC 1-3	1 0368172	0 93907535	0.7329065	0.9197177	0.94230765	1.137563	0.96838335	1.0540577	0.8857994	0.9784833	0.9524151	1.2099104	1.4333833	1.3959785
Phase-1 RCT-156	0.8878947	0.89492875	5 0.78214407	0.9963506	1.1509069	1.1793295	1,0452833	1.0505009	0.7797022	0.9135772	0.86453885	0.90503633	0.89564	0.8509864
Coffin	0.87555474	1.1884736	1 2282178	1.232546	1.2893893	1.1501024	1.0762517	0.9485283	1.0492737	1.0341283	1.0093924	1.0109581	1014/694	1,0701236
Phase-1 RCT-127	0.9470899	0.98298928	1,016016	1.1130027	0.91277987	1.0839665	1 2140782	1.0530958	0.8960849	1,0095037	0.010231	1,02,003	1 0331396	1 023854
Macrophage Inflammatory protein-1 alpha	2,2255218	1.750588	1.402182	1,3475821	1,3000499	1.3030622	1.3687.280	4 0000074	0.8709/8.0	1 2826557	0 9709471	1 1023454	1.0621527	1.0417241
Zinc finger protein	1.1287794	1.3454	1.065541	4 4066648	1 1338501	0.099459	1 0835642	1 0228536	0.9447477	1.0407711	0.98237276	1.053368	0.8918321	1.02233083
Phase-1 KCI-/3	0.8370555	0 9013740	0 9709448	1 1017735	1.0163764	-	0.84409344	1266148	0.6483477	0.6585429	0.8646696	0.6893234	0.60809845	0.7349125
Oduarnie synueiase	0.8879498	1 237062	0.9423858	0.68996704	1,1483116	1.1230686	1,4638089	0.7374078	0.76137125	0.70830977	0.7911043	0.9865339	0.857442	0.7948673
Phase-1 RCT-242	1,1058718	1,307160	5 1,0817133		0.8165627	0.8228148	0.9005507	0.9368073	1.0072488	1,0268921	1,0261354	1.1014955	1.0172472	0.9477395
Phase-1 RCT-50	1.3971759	1.4273196	3 1.4594345		0.891236	0,8853963	0.9207312	0.9718036	0.95453644	1.0219473	1.0604969	1.0029012	1.0034884	1.0515854
Ebongation factor-1 alpha	0.85976464	0.76468927	7 1,6553217	0.96378237	1.0805078	1.0436599	1.1536056	1.3199021	4 9000406	0.9765673	0.96506	4 4524045	U.9843623	1 733686
Integrin bela1	1.0449225	1,084800	0.93765394	1.0565115	1.0856451	70015550	1.0281152	1,3104912	1,0030150		0.0406559	1 0119903	0 PG0R6744	0.977224
Insulin-like growth factor binding protein 5	2.1558366	1 206760	1.711213	0 9339778	0 9202836	0.972082	0.87764627	1.0198094	0.90947115	1.1253064	1.0806004	0.99669236	1.0862748	0.98139197
Phase-I RCI -09	0.602483	0.81217	0 6397007	0 7919338	1 1091846	1.1853548	0,87383586	1,0566003	0.90035623	0.884154	0.75357646	0.9299845	0.8232551	0.7872451
Continue of the party	0.626303	0.523388	9 0.57083437	0.7916933	0.965289	0.9285261	0.9881395	1,7217417	0.88301176	0.80993235	0.8515131	0.9591988	0.8768917	1.1192126
Selection In Calculate P	0.6425644	0,64052874	1.178778	1 0.7751597	0.94027764	0.9177228	1.0118253	1.043234	1,2101489	0.9446181	1.0799831		0.9463882	1.0200154
PTEN/MMAC1	1.048956	6 0.85666937	7 0.7659129	3 0,62322944	0.9303808	0.9091978	0.9773957	1,5070847	0.B6272347	0.9290403	0.78125066	0.91810995	0.83691146	0.77050406
Phase-1 RCT-214	1.070881	1.27383	1.256542	1.007372	1.0716561	1.075/092	0.9974599	0.9477725	0.0327140	0.84704477	0.0900920	0.0010103	1 0449495	0 92098826
Phase-1 RCT-112	1.0157597	1.141527	0.7043	0.8244341	0.726366	0.722/804	0.67361376	1 0577105	0.6528539	0.7385396	1.001714	0.7001616	0.7986852	0.68942523
Thymidylate synthese	1,3519/35	0 6537428	1 154087	7 0 85020614	1 7468406	2 032957	4.4996753	0,60184133	0.868937	1,5271193	1.1060596	0.84244305	1.0822927	1.1942726
Mudaserme sesentity portein	0.88486844	0.854456	5 0.965080	0.90095466	0.6828291	0.64432293	1.1037319	0.7618153	0.69232875	0,818627	1.1285776	0.9166316	1,1111579	0.9782622
Cholesterni Zalnha-hufmulase (P450 VII)	1.0806594	0.8333877.	3 1,358793	1,3904295	0.5793515	0.94090873	0.74912554	0.9356187	0.9315131	0.7244022	0.B114399	0.932146	1.3149862	2.6526217
Vesicular monoamine transporter (VMAT)	1.328116	1.683518	6 1.298285	1.2332784	0.61248523	0,58669776	0.6789725	0.70461553	0.90014744	1.0180904	1.1276078	1.0825975	1.0984137	0.830077
Phase-1 RCT-260	0.807378	1.092805	5 0.5941794	5 0.81069845	0.8196555	0.82619ZB	0.70691115	0,9363/14	0.8444530	0,85/300	1,00500.1	1.1103000	1.001001	- Connection
FIRST NOT TOO									İ					

										1,000	1000000	1000000	10000000	4 4007030
Phase-1 RCT-32	1.0811272	0.9855628	1,1237223	0.897476	12171838	1.0168158	1,0958854	1.1344758	1.10152	1.4328781	1.00/3591	1.06/8018	0.0054048	1.186/030
Percedsome assembly factor 1	1.4613767	1.4083337	1,4824561	1.5923677	0.9083534	1.1100019	1,2000204	1.0343307 0.07459656	1 015807	9513495	0 84389263	1 0248638	0.945156	97836393
8-oxoguanine DNA glycosylase	0.8753547	1.1001003	0.991433	100000	0.9266159	0.847594	0.8225809	91368100	0.85055234	0.94787747	1,0112163	0.96452254	0.97924227	0.8893371
1858-1 KC 1-62	O COCOCOTO	10761907	0.74284753	0.71633315	0.750396	0.8249091	0.786716	0.903985	0.9330095	1,0240278	1.1547861	0,963614	1.2386675	0.8599983
Matin F/G	1 1858117	10735501	0 93867046	1 3349916	0 9742963	0.92293215	99584794	0.99988824	1.129122	1.0133843	1.1735936	1.0225878	1.0775117	1.1333076
Process RCT-168	0.5242065	0.96783656	0.7510443	0.70917094	0.9810729	0.92630774	7,90453494	0.8858248	999696'0	0.9852228	1.0424283	0.8560921	0.8773232	0.7999534
Prese-1 RCT-119	0.72651225	0.6646422	0.4547555	0.46306536	0.80929184	0.9079229 (0.78543913 0.52	0,52372843	0.8747509	0.6412503	0.99526095	0.66590816	1.0657198	0.991219
Carbonic anhydrase II	1.1744732	1.0144172	0.8104063	0.90059537.	0.90844536	0.8393447	0.92335284	1.0799699	0.9088736	0.88296604	0.9798785	0.9036903	1 1330745	0.9810408
Tryptophan hydroxylase	13256533	13316151	1.1581575	0.9747872	0.9714493	1.0400838 1	0 8365004	0.3317.300	1.0203167	1 08378911	1 0497049	0.9037051	0.83589023	0.9790472
Phase-1 RCT-71	0.9262803	1.0715241	1.0043274	1,00/0303	1 2181811	2 8	1 3986197	0 9849422	1.0321391	1.0024121	0.8787526	0.9722288	0.9624073	1.0343386
Phase-1 RCT-179	4 OCEOS34	4 2033204	1 5659347	1 7074088	0.8985472	0 82659376	0.8613675	1,95335287	0.9972942	0.8001935	1.0658565	1.0742984	1,0210888	0.9292739
Phase-1 KC 1-161	1.005000	1 2075822	4 11E2758	0.75132614	1 1035242	1 1265339	1,0290045	1,121846	1.0240494	1.1192498	0.97574437	1.0157868	1.0769881	1.0104657
PRISSE-1 KC 1-207	0 81790715	1.0888162	1 2009839	1.4401608	1.1579542	1,1704141	1,4015261	1.2898822	1.0576887	1.1004744	0.9508874	0.97578356	0.8046352	1.0661235
Dhare 1 DCT.225	1.4475479	1.5049703	0.5220652	0.771519	1,2089598	2.2408903	2.0692575	1.1831052	1,1095155	0.79934233	0.9495663	0.7460682	0.80091316	0.6882154
Cytothome DASO 254	1 2908205	0.9595326	1,3030417	0.79767185	0.76504946	1.0111758	0.74275815	1.0257722	0.49769482	0.68417645	0.6348579	0.689052	0.9165082	0.7095984
D.1	1,7220719	1,6571474	1.2788585	1.5070465	1.1378957	1.1266406	2,565162	1,0404894	0.8794782	0.8796123	0.9079107	0.90655434	0.89571023	0.9198678
Thoredoxfn-1 (Tix1)	0.5159885	0.65566885	0.38702783	0.5102024	1,0253559	0.96091115	1.1674062	1.2694361	1.0633303	1.0357592	0.97870874	0.95527756	0.9095519	122352
Carbonic anhydrase III	0.7571603	0.5190741	1,0308634	0.56952568	0.89999497	0.7736411	0.69520533	0.49298176	0.93479437	0.5103385	1,9190/28	0.0727	4 0900900	4 4775000
Phase-1 RCT-140	1.5340102	1.588699	1.1589785	1.0310173	1.0089941	0.98880845	0.96434045	1.004813	1.05612	1.1933337	1,010116/8	1.0/3/1/8	1,0033002	0.0140211
Complement component C3	0.36980265	0.4155075	0.5831223	0.5538588	0.9055155	0.87414515	1.0648857	0.5/52/655	1.0365133	0.004/430	1.0100301	0.30(34343	07188008	FAR51525
Glucokinase	12558228	0.5736947	1.0199665	1.115394	4 06 40 774	1.2858275	00302000	1 0369059	150 0 88150955	0 97578434	0.96350235	0.87982243	1.0213721	0,844719
Phase-1 RCT-173	1.1628263	4 84 86602	1 0670648	2 7354384	0 801464	0.3330103	1 0463102	0.93810034	1	58104	157	0.99283904	1.0483668	1.1320928
3-menyladerine UNA glycosylase	200000	1 3137780	1 2208757	4 4286499	1 3264323	1 0669152	12024528	1.1055452	1.244917	12219814	1,0305682	1,208624	1.069516	1,3685039
Peroxisorial maturicuonal enzyme type II	0.6584598	0 70607597	0.8084265	0.67480576	1,1213188	0.9700915	1,058306	0.9064109	1.0762416	0.8885903	1.0599844	1.02222068	0.934812	3,85620403
Senecember marker profein-30	0.4271487	0.5167382	0.98713577	0.77028006	1.1746048	1,05583	1.0259887	0.7912152	0.83522844	0.7808923	0.9886797	0.71270746	0.5319546	0.50065124
Cyclin G	1,660195	1,4946433	1.8336625	2.3144493	0.84546787	0.98702335	1.2621891	0.88428587	1.0881777	1.07105	1.13835	0.99858415	0.9813076	1.1103604
Melanoma-associated antigen ME491	0.97776854	1.0079892	0.9737937	1.1212779	1.0566019	1.0035516	1.5497603	1.1232235	0.95068824	1 0.87301	1.3423421	1,007,700,1	0 04804075	0.005331
Phase-1 RCT-28	1.3795416	1,4797301	1.1229888	1.3759933	0.8482971	1.0093744	4 0066001	4 0544054	1 0153140	0.0030059	0.9186198	0.9338301	0.9217837	1 1504043
Emerlin	1.1288517	1.362/053	0.9964275	0.65523578	1,0430349	0.6926718	0.8908052	1.1076498	0.71936476	0.71810085	0.53916158	0.6191074	0.7682652	0.6332725
Alcondi denyarogenase 1	15282516	1 0995482	0.9289839	0.8150577	1.0106875	0.9234433	0.9274489	0.79444885	1.0127119	0.843593	0.95863557	0.86860585	0.65949583	3.67850095
JNK1 stress activated crotein kinasa	0.7502209	0.6799138	0.67312425	0.61572546	1.0626	0.941167	0.8335875	0.58742356	0.61899865	0.6380961	0.72673535	0.737279	1.0416216	0.8628068
Protein tyrosine ahosphatase alpha	0.9174308	0.8195813	0.7159964	0.9449674	0.96492785	0.9517861	0.92161757	0.98915267	1.0950248	0.9056088	1,0006762	0.8963564	0.89160967	1.0778189
Phase-1 RCT-55	0.53461033	0.51817787	1.5971804	1.1171635	0.6851624	0.67754424	0.70200825	0.9551498	0.9814958	0.9040124	1,0063313	17500057	0.0000000	0.7332479
Ubiquitin conjugating enzyme (RAD 6 homologue)	0.8886622	0.79737884	0.72202843	0.9165605	1.1488587	1.2802948	12934208	1.119102/	4 0446006	0.986/306	0.97 15039	0.04070	1 052639	0.8357293
DNA topoisomerase I	0.5620476	0.6377385	0.7508929	0.5/40/645	1.0023034	1.027.1807	13050967	1 2253289	1.0432798	0.97398394	0.9826619	1.1020333	1.357472	1.0601299
Phase-1 RCI-280	1023521	1.0203124	1 0403733	0.813367	1 225496	1 153862	1 2095511	12610024	1.1442118	1.1333251	1.084696	1.1687912	1.1475984	1.24016
Supercode using see military and see see see see see see see see see se	1.2587079	2015382	1.7375705	1.7845248	12701181	1.45586	1.2612182	1.1443676	1,5627121	1,3392687	1.2407404	0.95696026	0.74588037	0.9381945
Carbarry phosphate synthetase i	0.5209638	0.47992262	0.3596728	0.3017372	0,85424685	0.9651608	0.8407726	0.45643038	0.8460788	0.58213055	0.95384614	0.6403259	1,06/6128	1.0335/3/
Diacylghycerol kinase zeta	1.2564012	0.97581005	0.8749967	0.9345837	0.7653656	1,0611178	1.1033207	0.999477	0.9094525	0.8884314	0.74514534	0.9316306	0.836/0135	1 0050055
Phase-1 RCT-141	0.84023505	0.95598364	1.0864388	1.3393389	0.856859	1,0321003	1.183369	1 444609B	1 160863	1 0961487	1 005734	1 2140929	0.9284404	1,1090934
14-3-3 zeta	1.3138482	1.7261057	1.8024441	1.6/055/9	1.4222437	000/532/000	0 7518899	0.8415776	10166377	0.8792991	1.0606906	0.44069105	0.3801979	0.58110535
Gamma-actin, cytoplasmic	4.0758667	0.6040089	0.4019599	78775787	0.990426	1.0301706	1.3010312	1.2461081	0.95814914	1,0040352	0.87154098	0.7609926	0.76675415	0.9259638
Mosomal procent Library	0.75578396	0.6265574	1.0826741	1.0256275	1,1154289	1.0115529	1,3286541	1.2420413	0.97438574	1,0001286	1.0353776	1,1091285	0.9747716	1,3299857
Phase-1 RCT-65	2.3416471	1.917057	1,3282099	2.3091102	0.9800724	0.91214675	0.81852865	1.0352284	1.0641862	1.0689392	1.0900856	1.0990281	1.0326957	1,0285457
ujo	1.5608412	1,6319388	1.7008042	1,5959191	0.8109295	0.8299388	0.75471437	1,005337	0.83324134	0.8547956	0.8272472	1,520916	1,056755	0.9601368
Protein O-mannosytransferase 1 (Pomt1)	2.8088133	4.3035154	3,3481505	3.759344	0.93677944	0.9549914	0.87524647	1.2648683	1 1833618	1 1738442	4 0433407	1 2079009	1 (7340445)	1.1253643
HMG CoA reductase	1.6412959	2,046234	1 2624868	1.2001973	1.3263211	1 1354558	1 1432865	1 1356649	1.3972198	1.4572852	1.196203	0.99661744	0.854423	0.92134666
Phase-1 RCI-12	1,1050000	0771	1203104	1000010	3									
Intereston related developmental regulator t-rud i IPPCA)	0.69168857	0.6556312	0.7996874	0.78259325	1.1047945	0.98723567	12663137	1.0433071	1,218587	1,0111693	0.9902828	1.4182578	12900181	1.3345567
Glucose-regulated protein 78	0.44709954	0.39826566	0.6598588	0.45361066	1.4461757	1.3967707	1.9874556	1.7956901	1 2089242	1.1835218	0.859558	0.87194645	0.58846706	0.8515407
3-beta-hydroxysteroid dehydrogenase (HSD3B1)	0.8232995	1.0041775	0.7312998	0.6601865	1.2633917	1.3496358	0.95746785	0.93856215	1.0154197	1.0382/23	0.9956063	0.90289	0.0000 145	1 0682117
Caspase 6	1.3780744	1.064221	1.1083107	1.0865866	0.8604817	0.9374215	1.11/4/34	1.1528164	9240536	0.8033301	0.90540394	1 2024158	0.91003466	0.68372375
Phase-1 RCT-169	4 403641	0.85559625	0.91748846	1.11/4/40	0.9326422	0.9036310	1.0202954	0.98604095	0.966273	0.8798428	0.8983957	1.12448	1.0357467	1,0149838
Phase-1 KC I-19/	1, 103041	0.8301063	1 1975708	0.83273983	1.8537018	1.5218847	1,3066714	1.0601436	1.0585179	1.0462052	1.1479174	1.0504084	0,8275412	1,0151272
Presert RC1-54	2,000,00	0.0	2010											

									0,000	, 0000	4 9740000	0.00001449	0.0770424	0 0407466
Phase-1 RCT-72	1.000445	0.48024562	1,2682431	1.4523982	0.9217762	0.8160432	0.8034738	1 04418Zb	1.3333243	1 0301634	0 8849154	98499774	1 0208684	1.1916095
Pyruvate kinase, muscle	1.2424566	1.02/8003	1.300/201	C 2050055	4 0555007	4 425,8274	0 6212029	90044993	83726865	0.8328182	82474995	1.0226855	1.0742836	0,8763961
Phase-1 RCT-288	1 2720242	0.5231430	1 1730751	1 36477	1 1705957	1 061162	0.7532325	1.1250275	0.9269457 0	.94305164	1.0178698	1.0175357	0.97713995	.98120916
Phase-1 KC1-90	2577000	0,00,000	0 70040466	8000000	0.6560207	0 8205840	0 6964395	0 7606688 0	91396856	13575007	69450235	0.85872173	0.7410203 (.95972323
Cytochrome P450 2C39 (atternate done 2)	0.55467065	0.9162307	0.7.5043400	0.3007320	0.000020	0 0804001	64427303	0.5721696	0.7501612	0.8459731	0.9496555	0.8578922	1,3516783	1.1096231
Phase-1 KCI-290	3 4534505	4 0480724	2 00524012	4 7287454	4 2244367	1 238771	1 4052309	1 1243541	1.0769435 0	68850883	0,9873018	1.053375	1,033328	1,0719961
Prase-1 KCI-261	3.4624603	4.0 loc124	O OUZARBRE	0.5269602	0 9678935	1 1089683	1,4021151	1,4157859	0,9059801	0.8698586	83957034	1.0291299	12307894 (.91608715
Contraction DASO 142	0.8899848	0.94042987	1,5221454	43612	3,8491446	0.7854905	0.9402113	1.1010339 0	.75223225	0.7052869 (0.64369875	118925	0.94952476 (83837886
Phase-1 RCT-297	0.63363934	0.823006	1.3919449	1.1620013	0.8149432	0.6973378 0	07173517 0	81859875	0.9315433	1.1412275	1.0401024	0.88566154	0.8058305	0.8303201
Moncamine oxidase B	0.6545481	0.49721587	0.55603486	0.5237262	1.0817604	1.0215147	0.8583398	0,6466119	0.7941674	0.7768425	0.8186562	0.862571	1.072712	0.8538888
Phase-1 RCT-264	0.63123524	0.7762535	0.48702332	0.6128414	1.1743271	1.0824982 0	0.95554066	0.9380062	1.2083331	1 2010149	13654865	1.0783489	1,0004617	126/2204
Peroxisome proliferator activated receptor gamma	2.0147614	1.3740038	0.7953386	0.69549374	0.65503407	76809347	0.8708816 C	92013735	1976	0.69460064	7777805	0.71610233	0.7323243	0.7027203
Phase-1 RCT-143	0.90708788	0.9464901	0.80185497	1.1988608	1.0281646	0.9723011	1.0852172 C	.91051894	0.9961842 0	0.93564516	1.0772401	0.9282618	0.99328244	1.0088757
Phase-1 RCT-251	0.92363906	1.3679528	1.3629075	1.2241833	0.9431628	1.0646089 0	72918576	0.8814908	96945685	1.2016183	10/14338	1.0203972	4 2663683	4 4 577077
Phase-1 RCT-117	0.7091707	0.7156538	0.88237196	0.8751883	1.1213766	1.4587735	12295831	1.0211387	500000	7/02/02/	197/0001	1.0363009	1,000,17	1.13/13/2
Glutathione S-transferase theta-1	1,513898	0.9410278	1.1586431	0.97495645	0.9993784	1.1237819	1.111363	10331123	C.Boadank	1,3302371	1.022010	0.3100011	0.00000	0.30016.7
Phase-1 RCT-91	0.8433388	1.1445111	0.5692692	0.8209935	0.9242827 (91380954	1.0018083	0.9874414	0.918514	0.93617018	1.1000103	0.1430535	4 0777770	4 0200133
Phase-1 RCT-148	0.78239834	0.8359488	0.9375774	0.7666193	0.93585914	0.963/41	19/8/1904	0.814/2903	0.0/3(413)	0.000000	07/08083	O RZBSBAA	0 90215288	92748004
Phase-1 RCT-142	0.76163995	0.87828475	0.58083475	0.80510837	1.08//301	1.0421684	1.1003.004	1 04001301	0 8003544	4 4202308	0.8914564	1 0674044	0.910358	85407877
Activin receptor type II	1.4842508	12500588	0.7525257	0.865364175	CBC1288.0	2004/4/2	0320131	C774740E	4 4740BD2	1. 12.02.00 1. E5427476	1 1980968	0 62749386	1 5578858	1 0275531
Glycine methyltransferase	1.0933883	0.96838486	0.942/1976	0.8122033	1.1/8/902	4 400053	0742430	1 2642353	0 8603004	BEARDERS	0 7549076	0 9403644	0.7144868	74761105
Phase-1 RCT-281	4 2005540	1,003/648	4 4749344	4 4014750	70770780	0 8587718	97644734	9297626	0.8804671	0.973684	1.96988624	0.98286676	0.8202793	38190385
Cliary neurotrophic factor	1.0203049	1.020 1093	1500	2011	1010000	2								
cap Indian membrane channel protein bota i (Spri)	1.0817757	1,501262	0,9252159	1,5182887	0.8523323	3.75418264	0.6822833	0.8498056	1.1755048	0,83126485	1,0601798	0.8325559	0.81082785	0.6889904
Phase 1 PCT.96	1,1755446	1.0340674	0,9607828	0.8321876	0.89058086	1.0155847	0.98185253	12542443	38285474	1.0544349	0.94128436	1.1451203	1.0100305	0.96459824
Chase 1 PCT.287	0.94643915	1,1081758	1.0800303	0.91510206	12305877	1.1143019	1.1611038	0.9759294	0.9744274	0.89765334	0.8774621	0.99165744	0.8884593	95267075
RefineLhinding protein (RRP)	0,67480993	0.71058196	0.7897046	0.9213121	1,3006357	1.1156789	1.4068624	1.099251	1,1596297	1.1316397	1.2850121	1.0039735	1.3129021	1.4945108
Very long-chain acyl-CoA synthetase	0.65543437	0.87748605	0.7242827	0.8311294	1.0094128	0.9236221	1.0433558	1.0798174	0.9065646	0.8080562	0.7678183	0.78474104	0.9016081	1,89567417
Syndecan-1	0.7349092	0.7331303	0.86253214	0.94127285	0.93117136	1.1573275	1.1749185	1.186245	1.2185044	1.0414625	1.1965708	0.85364544	1.0511392	1.116971
Stathmin	0.97928196	0.9445125	0.99466056	0.9495119	0.9803015	0.99821645	0.9742066	1.0868413	1,04,70575	1.1306802	0.9380596	1.0769403	0.8928064	10/908/1
Phase-1 RCT-145	0.9787003	1.2005498	1.0518095	1.2906944	1.046839	1.1068642	1.4088962	1.1692531	1,0596575	1.1227107	1.1209031	1.0212028	0.505428	1.1190/78
Axin	0,65535986	0.8354813	0.4635893	0.5928045	1.0315092	0.9953489	0.9507697	1.024/663	1,0333600	0.033306347	1,05,000	0.037 1073	0.0540300	0.0850564
Phase-1 RCT-89	0.6807467	0.8221394	0.57421243	0.55267817	1.0136151	1.0307946	1.0016055	0.9514/636	0.9278125	0.3223040	0.37.20334	4 0044200	0.0573040	0.0556758
Sarcoplasmic reticulum calctum ATPase	0.40898532	0.43735805	0.79813594	0.706964	0.97960183	0.81540465	1.1012964	0.96252475	35337340	0.003109	0.3746064	0 7777	0.00013949	4 408274B
Alpha-2-macroglobulin, sequence 2	0.8336213	0.77068865	0.5716918	0.95470357	0.81127775	0.791016	0.75127965	1.025/31/	CELV/9987	20036707	4 4053440	0.000000	4 044475	1 000000
Phase-1 RCT-204	1.1313006	1.2013448	1.0251052	1.2979596	0.84955037	1,0157119	1.092109	1.0024334	1.0735672	1.0435250	1.1053110	4 422427	1 0402099	1 0664337
Vascular endothelial growth factor	1.0817439	1.0452117	0.44816706	0.82592833	1.0655577	0.9852476	1.0886/8/	1.1356523	1,00426/1	0.3000300	- COOCOO	1.153	100000	1
NADP-dependent isoctrate dehydrogenase, cytosdic	0 63424885	1 0289357	A R029274	0 7750947	1 2033482	12194312	1.0507338	0.94355947	1.1168	0.9844763	1.0626094	1.031399	0.8522132	7.76672584
DAIA binding applain lobibling ITO	0.8733835	0 63096607	0.8542165	1,3291136	1.1796921	12150329	1,6918637	1.2588832	0.9999957	0.8568028	0.82494915	0.67920226	0.6361281	0.91698576
Chalking Charferso Va	0.62552818	0.5742738	0.3688899	0.33842722	2,0397613	1.4118912	1.5995985	1.427603	2.2062316	1,3711325	1.279678	2.1838021	2.2658572	1,7650582
Fronda Indrase	1.0633128	0.6799988	1.1345613	0.72598135	1.3642807	0.67757505	3.20785289	1.8112524	0.8517684	0.3197622	0.5256397	0.9745887	0.5602891	0.5624238
Insufin-like growth factor I	0.4892073	0.6794755	0.56825745	0.48817667	846	1.1509728	0.985795	0.7644418	1.3903(53	1.1205053	1218678	1.1247779	0.88/69/2	1.146.218
Prostaglandin H synthase	2.6919777	2.1067755	2,818996	1.8140781	0.9182323	0.97326165	1.3476679	1.0198056	1.105/566	1.0480424	0.8834739	1.1/424//	1,000,000	1 00312371
Phase-1 RCT-136	1.0303597	1.2238114	1.1451194	1.0555849	1.1928358	1.0619916	1.3376527	0.95869875	0.9556342	42 0.63609245 97 0.07304E7	0.80350004	0.04633020	0 0083659	n 8324052
Phase-1 RCT-137	0.59559825	0.61460555	0.3675566	0.5137268	1.0662875	1.1256/51	1.086/291	0.8/648/10	1 1015581	0.97515446	1.1984148	0.88049753	12234038	1.0749742
Phase-1 RCT-138	0.88226	1.1304457	0.7933222	0.30030233	4 4430354	1 072769R	1 0431303	0.8067633	0.81202036	0.96140003	0.75881124	0.9023725	0.9150425	0.72489655
Hepatic lipase	4 2224724	4 2401263	0.0120000	0.000000	1 3776314	13828396	12250646	1,1397808	0.94162035	0.9178356	0.9994004	0.97755148	0.9479802	0.8767635
Hase-1 KCI-164	0 6677010	0.712811		0.5185029	1 0062022	10425647	1,0380038	1.0607411	1.1197267	1,1571416	1.0067257	0.9833507	1.1080747	1.2369382
ACV-CA denydrogenase, medium chain	1 2352546	1 5200619	1.6568352	1.1822503	1,5519184	1,4411254	1.1022515	12000458	1.1660104	1,2328411	1.202476	1,0309626	1.1363094	1.1001803
Codony reduction	2 2845058	1.6922746	1,3938544	1.675211	0.9844334	12743556	1.4173197	1.3244677	0.9115557	1,0011882	0.81646204	1,0267045	0.9626818	1.067934
Phase-1 RCT-168	1,0755028	1.204867	1,6565111	0.979434	1.5978172	1,4338171	1.0333546	1.1991317	1,0523709	1,343297	1.1448915	0.98740286	1.5423502	1.1547556
Apolipopratein E	0.48026556	0.28743702	1.459633	0.57570755	1.1083245	0.729125	0.8331493	0.88845336	0.9287714	0.95143074	0.9323606	1.0213003	1.3004498	1,0034027
UDP-olucumosyltransferase	0.7639052	0.61743116	0.5620319	0.5427352	1.0394083	0.89634866	1.0930818	0.83315253	1.3072275	0.90296364	0.7716432	0.50769776	0.81710324	4 05504
Glutathione S-transferase P1	0.67108405	0.61067873	1.066209	1.430237	1.132314	1.1281186	1.185593	1210223	1.0265228	4 0520548	0.89482886	0.9827759	0.9911909 0.76903844	0.62420
Disuffde Isomerase related protein (ERp72)	1.2373914	1,2270758	2.6718326	2.1066744	1.3463396	12690251	1,5570707	1,533/433	1 2488541	1 1885770	1 2300514	1 2188058	12160863	1.1378736
Ribosomal protein L13	0.79840636	0.625/8046	0.84/68015	0.50310676	11177771	1 0405273	4 1 R58413	0.7385888	0.8684725	0.8746886	0.65886974	1,0817215	0.9644962	0.8515833
Ceruloplasmin Inter-archa-Intibilor H4 heavy chain (1944)	0.6006896	0.8768145	0.6150432	1.0286382	0.9794619	1.0596521	1.0615917	0.7122138	1.2481571	1.2400482	1.2785707	1.1357034	1311583	12908692
וווופו-פונווושייו ווויות נוא וופפאל מיפווו ווייניל	A.000000													

			1	, 000,000	10000000	0 0000001	00200636	04557705	0.907225591	CE70779 0	A 892228	1 0648735	0.9972936	0.9153502
Phase-1 RCT-3	1.4283246	7,3585153	1 7620363	0 8892481	1.3576102	13279274	1.4985495	1.36231	1.258689	1.0942678	12774665 0	3,94117874	0.9913339	1.2477237
2 Indometrate themed debut months	0 7359413	0.6118841	0.8764586	0.6796611	1.0510501	1.06031	0.9663649 0	97366345	0.9205315	0.8996143	0.9417648	0.99174833	1.1101117 G	98334736
O THOUSANDING OCITIONS AND IN CO.	O GROG1RO	0.658016	O R417729	0.50400305	1 1870908	1.1022669	1.7044401	1,3100088	1.0912555	1.4300249	1.4932333 (391587898	1.1714113 0	89773085
Carbonic anhydrase III, sequence 2	0.0000103	0.00000	76300645	0 6914003	1 1270001	1 0537101	-	1,0888368	1.142099	93011814	0.8840015	0.96227014	1.1465491 0	0.94614923
Phase-1 RCI-10	4700074	0.40779643	74703067	38101335	4 507244E	1 1668125	1 3340999	1 0343412	1.9691252	0.8894201	12319419	1,6874764	1.1156409	1,4178399
Alpha-2-micrograbulin	0.47302330	0.427.3012	1000011	200000	0010100	4 4595999) Sacycaco	0.80784565	0 9352336	0 9118458	0.9081861	0.88917613	1.2090776	92165256
Dynamin-1 (D100)	0.98905843	1,0051855	Zmncton	0.03/1/203	0.0370703	4 0054447	0.0003785	4 124794B	13132696	1 0469894		283	0.99127555	1.0573667
Lysyl oxidase	1.8440089	0.89042175	1.1348314	1.331/41/	0.0150000	0.000	0.05250100	0.40047588	4 1065,40F	0 745144	1 2878814	63092715	1.0797163	1.2831452
Phase-1 RCT-252	0.5298403	0.571209	0.331202/2	0.3182122	0.8812630	7,700,60	10/0	2000000	4 7254035	4 4 5 5 5 4 4 5	1 4424708	27503593	1 168595	1 1092921
Phase-1 RCT-29	1.1958046	1.3636318	1.0660781	1.44911	0.96684706	1.0310413	1.0/35025	0.9250050	4 0001330	1 000004	027721	08703R97	1 0819531	92020285
Phase-1 RCT-278	0.90477383	0.8882974	1.1686062	0.8721113	1.2025443	1.19845.38	1,000,000	00000000	4 20020 100	4 74 77 77	10121201	4 4544433	1 0970061	1 1443189
Phase-1 RCT-42	1.15392	1.3756753	1,223,5794	1.1875983	1.1985972	1.0478749	1.1278402	1.132021.1	0007707	1747747	10131301	0.0470704	1 13/16/R	1 181094
Phase-1 RCT-25	0,8642038	0.975137	1.239729	1.0445331	1.0572994	1.047854	1.022268	03/1/9050	1,7333071	CONTRACTO	1,00102/0	0.00000	1 2000000	4 075/202
Cytochrame P450 2C11	1.1440213	1.4862922	1,4286344	1,5914791	1.1193879	0.675837	0.9075197	0,88335985	1.0133417	1.1354076	1.1253617	1.123500	1.2000300	4 2000074
Direct DCT.202	12017297	1.0056887	1.6071987	12149235	1,1709646	1233031	1.114967	1.0544136	1.1851556	12159479		1.0441562	1.0512336	1.22608/4
Present Roll-202	4 040030	0 934718	1 205844R	13455987	1,1136512	1.1916842	1,1033723	0.8423495	1.0449535	0.9375978	0.9740531	0.96678406	1.0874332	1.0978418
Complement lacks 1 (CF1)	4 2604646	0 05045008	4 344481	0.005073624	10171561	1.0910658	10994637	1.1696159	1.060467	1.0730444	1.060568	1,0893956	1.0287297	1.123764
Proliferating cell midear amgen gene	20301040	2 950440	0707070	4 2447006	4 2870427	1 5620657	1 4774483	13906368	1 0658424	0.9287666	1.0418247	1.0840164	1.211955	.98164606
Activating transcription lactor 3	0007777	2110000	0.05070	100000	0.844307	80273720	1 0451201	0 98397696	1.0369568	0.9042841	0.9072232	1,0071753	1.009655	0.9193827
Focal adhesion kinase (pp125FAK)	T M320184	0.3034400	0.3302370	2004000	404900	0.0004	0.0636338	1 0071944	05000594	1 03907R8	1 0353521	0.9744958	1.0383286	1.0117488
Phase-1 RCT-289	0.781154	1.01/1052	0.0327903	0.0000202	1.1013000	0.3021/006	4 0524483	0.0755884	1 99347218	0 8975987	0 9339441	0.9432807	390905344	0,8743957
Phase-1 RCT-259	0.92008275	1.1862891	1.09403/4	/BCORC L	0.9082491	0.9/9-02	201700	200000	0000000	4 004835	89253990	4 470347	1 0641296	1 0913563
tron-responsive element-binding protein	0.9408677	1.1735312	1,3065581	12206095	1.0086817	- 00000	0.01.34237	1.100402	1 227000	1 2106568	1 20503	1 2455714	1 0230098	1.1611925
MHC class I antigen RT1.A1(f) alpha-chain	4.330819	7.945626	2.12/1622	4.445193	1.30004/6	1.3330242	2000	2000000	20000	0.000044	24777476	VCVVIII O	4 CORSOR	BR1R0256
Any sulfotransferase	0.66005576	0.4076282	0.48454466	0.439668	1.0396125	0.93231267	0.6/336833	0.5/2/5/80	0.0000	0.0303014	0.000000	7200	1000000	044082
Phase-1 RCT-171	0.85388106	0.94320906	0.7741941	0.81234735	1.4884051	13013288	1.6597757	1.1/.34521	0.3001402	0.9133002	0.00000	4 40 40 40 4	200000000	0 0725404
Phase-1 RCT-83	0.8654317	0.9038514	0.5434355	0.80765486	1.2140597	1,0391792	0.90020514	0.9761489	1.0063341	0.92322016	0.9592914	1.10407.38	0.000/9230	2000
Phase-1 RCT-270	0.63035	0.85348713	0.8087534	0.6133242	1.0632771	0.9553252	0.7021761	0.8454317	1.15/1403	124947	1.232048	1.0065681	123/6352	1.05507
Colour effection factor 4	0.92628485	0.69811195	0.8334829	0.93724054	1.0550169	1.0282236	1.1311911	0.9167166	0.929981	0.9112638	0.8713937	0.84962994	0.98593575	94040185
Market Same	1 3507864	1 240853	1 155272	0.8623747	1.050051	12032954	1.0200118	1.045715	0.95678455	0.95253277	0.8858537	0.8230288	0.89540255	0.7643826
N-Cadrication	7400044	D B4C4730	0 6908347	0.51853603	2073636	1 8037388	2.1894891	1.0964545	1,0150167	0.89778394	0.9252926	1.0427761	0.92338306	0.9259454
Phase-1 RCT-62	0.74900414	0.0104/32	4 2000004	400000	4 4253742	4 4 237606	1 2821057	1 1691911	1.0794132	1.0978909	0.975706	0,94959193	0.95654935	1.11204
Phase-1 RCT-22	1.040303	1.10337.82	4 067070	1,0000333	A 777.70	0.0204836	0.9644595	0 8813297	0.91287506	0,86670168	0.832455	0.9636016	0.91384816	0.9201775
AT-3	0.82837.80	1.074301	1,001373	1,000,400,4	9707760	20003000	A PRODUCT	D SP38A414	0.925734	0 93065774	0 96033496	1.0258609	0.9328029	0.8859189
Phase-1 RCT-18	0.8659801	1.2023833	P10811870	1.0324424	O COCCO	4 0000000	4 0484040	7000000	0.9714698	1 0018218	0.9965871	1 0039306	1.0140212	3.893334Z7
Phase-1 RCT-123	1.0553668	1.214826	1.1031317	1330416	0.37.220.40	200070000	7707000	4 4536245	0.0467309	1 1710973	1 1978R31	0.93195254	0.8019318	0,85883594
Phase-1 RCT-66	0.6240297	0.9235355	19691347	0.6750355	1.0253004	0.32001030	10000000	2						
Equilbrative ntrobenzythiolnosine-sensitive					1	00077000	000000000000000000000000000000000000000	100001000	4 0444387	O ROSERCO16	1 1103446	1 0088708	0.9351787	0.9187757
nudeoside transporter	0.8096347	0.97834417	0.303030	0.7727871	1.1/93003	0.3044200		4 4677064	71948765	0.8455133	0 7791424	0.98514485	1 0344114	1.0562552
Gucose transporter 2	1.0452044	0.61666954	0.8643368	0.5052642	10.0831169 10.0831169	030531500	0.3027 1403	1 224 7000	130007	1 1406046	0.0502552	1 4507634	1 2076723	1 5364338
Multidrug resistant protein-2	1.5835918	0.987923	1.7852443	1.0454032	0.80404752	201727	4 4707445	1 2568201	113071	1 2253904	1 0757436	1.4195498	1.1915085	1,5021429
Multidrug resistant protein-1	2.107254	1,3304881	2,011695/	1.//8/516	0.85/03/0/	1.1745420	1.1707493	100000	1 2011177	4 0000000	4 4578485	4 09667AS	4 074403B	1 1720525
Phosphatid/fethanolamine-binding protein	2,586446	3,4122264	2.591489	2.9450717	1.2487599	1.2336309	0.98/43284	1.0897289	1,404.0	1000000	4 0055484	10000	1030664	4304184
Phase-1 RCT-180	1.2442576	1.8752587	1.7573256	1.5522829	1.1992733			1.2/4503/	00000	4 0730003	2070700	0 0370245	0 R766497	197381276
Integrin beta-4	2.201333	1.9504558	1.250502	1.8154522	0.5927684	0.5927684 0.63592154	0.6/811316	0.620330	0.300	1,070,000	4446600	4 8944487	4 2072057	1 0575386
NADPH cytochrome P450 orddoreductase	3.349848	3.8748348	2.5893364	5,3569937	0.9921904	1.0263495	1.278/168	1.1/355/5	23/2413	1.2120000	0.0004670	4440708	1 000000	10208082
Waft	1.6312698	1,582933	0.9264205	1.4560394	0.64365077	0.9009654	0.7483/554	0.85097213	0.315/21/2	0.5330400	0.0004000	O EAAAOEAE	O SESPECIAL	0 53229GB
Endogenous retroviral sequence, 6' and 3' LTR	1.4885308	1.1810371	0.8541469	0.6242029	1.3940241	1.5782204	1.9790287	1.3200241	1,0274132	0.3320 100	4 0002 1232	0 9794765	0 9151385	0 0255007
Phase-1 RCT-53	0.66175187	0.995054	0.85873926	0.8088005	1.11/6411	1,0583/88	5281020.F	1.032000	0.00055153	0 9702042	O GEAGETTO	0 9310891	0.9796863	0.9135177
Phase-1 RCT-54	1.0145985	1,2503664	0.84300995	1.0306453	1,03/418	2001105.0	0.5000/05/0	0.3410241	2002/2000	4 077ABB	0.83003928	1 098144R	728747957	0 8375921
Phase-1 RCT-240	0.847189	0.9263541	0.7915419	0.82227635	0.94065446	0.66664037	0.0450456	0.50450201	4 0448848	0 02287636	1 0150393	0 92843515	0.9418389	1.0324789
Osteopontin	0.65664446	0.76538825	0.40623417	0.8038479	1.1092268	1218250	0.9439430	0.0313704	DESCRIPTION OF	4 4450704	10041204	1 1366779	0 97977114	0 988771
Organic anion transporting polypeptide 1	1.4228727	1.1095126	1.1429197	0.7437346	1.2391324	1,0082593	02/20/20	4 0036450	0.000000404	4 1826853	0.9844298	1 1558342	0 98098814	1.0839555
Phase-1 RCT-241	1.1017247	0.87139565	1,02965/4	1.11009/5	1.01/4/02	0.34/46/0	100000	000000	0.01 100.00	77747696	0.7068036	4 M247447	0 9955776	0.9683035
Tissue factor pathway inhibitor	1,3938491	1.3438711	1.1046622	1.1458532	1.1510161	1.155245	1.4603332	0.0008738	0,00030443	0.01641040	0,1300030	11.15	200000	
Cyclin-dependent kinase 4 inhibitor P27kip1 (alternate		-	, ,,,,,	0.0000000000000000000000000000000000000	0.00040000	10000000	0.7541781	4 0502382	4 2400888	0.9763734	1.1464995	1.0612297	0.8926288	0.89841497
done)	0.6233007	0.78350414	1.1115554	0.43020300	0.75247643	7480804	0 6868173	0 891782	0.8550276	0.9086484	1,0091966	0.845316	0.8109726	0.60854167
Phospholipase D	1.0514065	1.0418083	12001627	1,5113,947	4 4077636	4 00733	8789700	1 4422258	0 9229092	1.0950398	0.951811	2.371335	1,6647689	1.785604
Phase-1 RCT-39	17901380 17901380	0.9/48/944	4 4409047	37963000	4 0750366	4 428353E	1 2382799	1 0514934	0.9977636	1.0673891	0.5313848	0.94821715	0.9986719	1.1263099
Phase-1 RCT-258	2014102	0.340004.0	0.00000	3070000	0.00072062	1 11/7870	1 2019083	1 0976791	0.998	1,0236105	0.9403292	12149959	1.0208243	1.0436547
Prase-1 RCT-113	1.38/4/04	1.3900440	0.97 90090	0.832500	0.20 ST ST SO	0.80759335	0 8263567	1 037866	0.7510333	0.8372229	0.8061164	0.9534563	1,0131316	1.0779389
Adenine nucleotide transfocator 1	0.91732404	0.32739113	0.0000000	0.0323787	1 34 1037R	13495407	1 0290672	0.8708566	0.78193784	0.8811256	0.9440592	12958145	1.8845423	1.2261888
Alpha-1 acid grycoprolein	4 4000408	1022301	1 0680013	0 9600432	1 0011101	0.65504808	0.719783	0.46171045	0.6278452	0,9755329	0.5134073	0.5402667	0.9742558	0.7350004
MHC dass II anggan K.I.D. 1 beta-diau.	1.10007	1,025,000	******											

Omanic cation transporter 3	0.683549641	0.7277657	0.7277657 0.61789745	0.8204596	1.1177176	1.1168022	1.4122303	1.0411382	0.944313	1.1208323	0.9772521	0.9772521 0.82598513 0.78140414	0.78140414	1,1008978
Hypoxia-Inducible factor 1 alpha	1,3381337	0.6180661	1.1214864	1.1214864 0.73088825	0.9880797	0.8882411	0.8882411 0.71790385	1,2306057	1.0115057	1.0164053	1.0439649	1.0439649 1.0584939	1.0261822	0.8147187
Phase-1 RCT-43	0.9426714	1.0764484	1.0764484 0.77852345 0.90752745	0,90752745	1.1442614	1.1565794	1,0033199	1,1594151	0.8174691 0.85265844	0.85268844		0.99957174	0.8279084	0.8224149
Phase-1 RCT-45	0.8061843	1.126388	1.126388 0.83447105 0.81683004	0.81683004	1.0509778	1.1557294	0.8141105	1.0407311	1.0407311 0.92203754 0.97102636	0.97102636	0.87899		0.95903254	0.9042856
Matate dehydrogenase, cytosolic	0.7645378	0.77004236	1.0912995	0.7645378 0.77004236 1.0912995 0.7828696	1.1821392	1.1306676	1,0460466	0.9046779 0.98781437	0.96781437	1,0121143	1.0858934	0.8557958	1.1308695	1,2515558
VL30 element	0.9695491	0.8257926	0.6546513	0.9695491 0.8257926 0.6546513 0.47096278	1,3616385	2,307972	2,6532068	1.8977772	1.8977772 1.3495748	0.7682107 0.86744267	0.86744267	0.2205364	0.5697273	0.4995103
Phase-1 RCT-189	0,6465153	0.7383066	0.67419195	0.6465153 0.7383066 0.67419195 0.43758273	1.3345271	1.3631219	0.927601	0.9132508	•-	1,0343769	1.3175889		12345462	1214932
Aloha-fetoorotein	0.7962147	0.72049004	0.9540146	0.7962147 0.72049004 0.9540146 0.90202326	•	0.8944751 0.87947595	1,0094999	6996836'0	0.971577	0.971577 1.0031041	0.9300372	1.0144621 0.87764144	0.87764144	1.1263125
Calgranulin B	0.63317317 0.55597436	0.55597436		1,2319995 0.57112426	1 '	1.0056099				1.0310227 1.2100357	1.1849118	1.1849118 1.028953 1.2354156	1.2354156	1.0545167
Tissue plasminopen activator	0.97943896	0.7160507	1,0620096	1,0956987	1.1008656	1.0425485	1.0817153	1.0141226	-	1.0714087 1.0357445	1.0286754	1.0918027	1.0286754 1.0918027 0.92757964 0.96517295	96517295
Phase-1 RCT-195	0.73934406	0.6597861	1.106229	1.106229 0.96819457	0.924049	1.0090712	0.935907	1.0145442	1.026949	1.026949 0.9247297		0.9904101 0.86322427 1.1485465	1.1485465	1.1178883
Liver fatty acid blinding protein	0.45373502	0.5824366	0.28161848	0.5824366 0.28161848 0.40435043	0.8947623	0.8444495	1,0373129	1.0518979	1.1177163	1.0117992	1.0117992 0.91337323 0.9235354	0.9235354	0.6684979 0.83044034	.63044034
Aloha-1 microdiobulio/bilgunin precursor (Ambo)	0.88030976	0.7851071	1,3181418	1,0382215	1.181173	1,1730819	1.1417236 0.9590226	0.9590226	1.1908444	1.034152	1.1596669 0.99771905	0.99771905	12380564	1.3006922
Phase-1 RCT-294	12559074	1.3753184	1.4836444	1.499075		0.8101049 0.8653186	0.8317578	0.8317578 0.91237485	0.9124246 0.93131864	0.93131864	1.0316076	1.0316076 0.89416876		0.940107
Phase-1 RCT-151	1,0692985	1,3243518		12579085 1.5136884	1.1128789	1.0685163	1.1128789 1.0685163 1.0967273 0.9262174 1.0607349 0.9494041	0.9262174	1.0607349	0.9494041		1.0001954 0.9213015		1.0115825
Phase-1 RCT-158	1,3882629	1.4580089	1,1718903	1,7792407	0.B271152		0.9441873 0.95172364 1.1059103 0.97093076 1.0444762	1.1059103	0.97093076	1.0444762		1.169966	1.0788289	1,1020813
Phase-1 RCT-221	0.866753	0.866753 0.97916293	0.7351127	1.266469	1.149695	1.1092149		1.1519644	1.1374173	1.2413803 1.1519644 1.1374173 0.9908309	1.0092374	1.0092374 1.1652727	0,8120102	0.9507652
Phase-1 RCT-235	6566769.0	0.8710761	0.8710761 0.55319184	0.5581737	0.5581737 0.99378085	1.0562432	1.091417	1.3451985	0.93068933	0.8195172	0.7595279	0.9630857	1.091417 1.3451985 0.93068933 0.8195172 0.7595279 0.9630857 0.75105083 0.77638406	0.77638406
Organic anion transporter 3	0.9515091	0.9050774	1.0390791	0.7446124	1.2761682	0.79709184	0.5444276	0.6444276 0.72139406 0.91021734	0.91021734	1.1722693 0.92010754 1.1197848	0.92010754	1.1197848		1,005603
Matrix metalloproteinase-1	0.78346586	0.67704034	0.78348586 0.67704034 0.66327715	ı	0.964018 0.97559834	1,0129212	0.9481756	1.5933832	0.89822474	1.5933832 0.99822474 0.91320807 0.83509268 0.95750326	0.83509268	0.95750326	0,8918539	1.035769
Urinary protein 2 precursor	0.39163977	0.4527962	0.17533506	0.4527962 0.17533506 0.28704858	1,1325573	0.83462965	0.9994737 0.76060677 1.0598906 0.70407856	0.76060677	1.0598806	0.70407856	0.7439325 0.84426564	0.84426564	0.7618801	0.6387593
Phase-1 RCT-212	1.073962	1,2615035	0.6664614	0.6664614 0.86406434 0.97652584	0.97652584	1.0290979 0.9600404	0.9600404	0.902106	0.902106 0.83428925 0.95322907	0.95322907	1.0466273	0.878644	0.9374952	1.068466
(1) Gene expression data for 6 hour timepoint are										_				
presented as mean ratio of treatment/control for all 6 hour predictive penes (Tatrie 18).														
(2) Compound and dose abbreviations as in Table 1.													1	
(3) Individual animal number														
(4) Liver inflammation dassification for compound-														
dose group at 72 h; yes-nect, necrosis observed; yes-														
both, necrosis with inflammation observed; no, no		•												
histopalhology observed										1	1			
(5) Predictive gene (as in Table 18 and as included in														_
ladie zo)														

Table 28. Expression Data for 6 Hour Timepoint (1)														
Communications (2)	PHFN 20	PHEN 20		PHEN 80	PHEN 80 P	PHEN 80 P	PEG 5000 P	PEG 5000 P	PEG 5000	PUR 38	PUR 38	PUR 38	PUR 150	PUR 150
Animal Number (3)	5	ß	1323	331	Ŗ	8	Ξ	2	100	2	Ø	23	31	33
Liver Toxicity Inflammation Classification (4)	no	uo u								_	5	٤	8	8
Gene Name (5)								0,000	-	30707030	100011000	20070707	4 4577705	4 0467544
insulin-like growth factor binding protein 1	1.0111321	0.97696185	1.0899327	1.1592891	1.1772097	1.1429492	1.085308 0.8387576	1.2422513	0.9622701		0.75357753	0.71639884	10073354	1,3829072
GROOM	1 1015917	0.86513835	1 4398625	2,112,1607	1,777,207	1,377,773	014	1.1729277		123	0.6491546	0.5004997	0.53305596	0.73816705
XdiN	0.9701211	0.72296745	1.0878652	1.7452253	1,2895318	1.5168068	0.817279	0.79686296	0.8086367	0.90789795	0.77798814	0.8523917	0.9476356	0.76598775
Cathepsin L, soquence 2	1.3567697	1.2381506	1.1990142	1.0164602	1.1912088	1.1516088	1.6093849	1.130862	1.9677271	1,5778209	1.1545951	1,6601537	2,8350549	2757117
Heme oxygenase	1.3839298	0.99140614	1.4129506	1.9575106	2.1336405	2.64749	1.3145466	1.9329306	1.0043232	1.373368	1.0866577	2,917187	1.071746	1.4373344
Phase-1 RCT-109	0.971308	0.8813652	0.9132051	1.1370656	1.0917772	1.1954769	0.8889813	0.8769499	0.8843661	1.532005	1.803887	1.3204392	1./222/08	1,510,000
Phase-1 RCT-111	1 0472898	0.9466799	0.8516796	<u> </u>	0.9030569	0.9075772	4 253284	1 0674562	1 2071607	1 1946032	16347757	1 2926433	1 7954997	1.0002421
Argininosuccinate lyase	1.0991616	1.2501523	0.9445/9/4	0.46041644	0.303307.20	0.71332743	1.6333330	1.007 1302	1.207 1007	0.0550541	0.0530063	0.003030	1 0828564	1 1444947
ONA polymerase beta	0.3521143	0.9300340	0.3069/044	0.6036001	0.7970781	0.2103633	0 8187794	68496323	0.8624109	1 2273146	1.1218978	1.2602564	0.9620379	1.0446491
Phase-1 RCI-103	0.96067184	1.1890321		: 15	0,63671815	0.562436	0.95637345	0.9470715	0.85673803	1.074982	0.5721572	1.0051432	1.2981924	1.3556414
Phase-1 RCT-114	1.0236068	0.87338966	0.985962	1.5753129	1.1972398	1.0400813	1,0012579	1,0875589	0.9184352	1.0862354	0.94944876	0.9121865	0.99103045	0.96292007
Phase-1 RCT-15	3,5297544	1,0651319	2.3134992	1.534768	2.171104	2.1263123	3.99818975	1,0709243	0.9432314	1.1345271	1.3534527	1,3062831	1.1275568	1.2129607
Macrophage inflammatory protein-2 alpha	1.0706942	1.2533404	1,3295642	1.456981	1.7901107	1.3821354	2.942998	1.9564955	1.4132477	0.57191145	0.5779672	0.51922727	0.554804	2.1508055
NGF-Inducible anti-profiterative putative secreted	70360030	0.63734666	2/3/0/03 0	352000444	ZUUZZUUZY	O RESOURCE	0 02515507	1 3151006	0 9104847	0.7925483	1 2518446	0.8924394	1.0145383	0 9233044
polem (PCS)	0.0030337	4 0340756	0.53462610		٠.	٠.	0.81058013		0.87963307	1,1742803	12266552	1,0606928	1,3263615	12111189
Phase 1 PCT-63	1.6574302	0.89657285	2.3567054	27656872	4 9370594	4.588087	1.031037	0.9731818	1.0242326	76797996.0	1,6403304	1.9170362	0.91913843	0.9478934
Codia D3	0,9906502	1.1326215	1.0774288	1.9721845	1,1385293	1.1906612	1,4071414	12280865	1.0460835	1.2882475	1.7917843	1,9694067	1.04597	1.1770906
Phase-1 RCT-108	0.9524082	0.9260107	0.8590578	1.0632992	0.90568167	0.88424695	0.9651701	0.74529874	0.90663034	1.1528194	0.7781602	0.73317933	0.9440355	0.9657339
Phase-1 RCT-56	0.47580445	1.4357204	0.8457402	0.854604	0.4367131	0.51958376	0.83830845	1.091841	0.91983384	1,0359137	1.1369191	1.308207	0.8684007	0.76239824
Phase-1 RCT-192	1.0815539	1.0353295	0.907935	-	0.8228355	0.9167735	0.92337614		0.98274064	12670451	1.1306127	1.1950539	1.2619766	1.1805122
Phase-1 RCT-75	1.0436015	0.82158285	0.9922675	1,506634	1.1915759	1.1472889	0.90451264	0.81417006	0.86028934	1.0412214	0.88120353	0.86454266	1.0479089	901538
Acetyl-CoA carboxylase	1.42627	0.7682783	0.8757241	0.70938134	1.0590501	1.062048	0.9868784	0.92253745	0.92/6464	0.99412453	78225403	1.4031831	9272500	1.0363033
Phase-1 RCT-95	0.90393317	0.9/83/93	0.7422518	0.040323	0.7308/34	0.052270704	0.000000	4 430046	4443524	1 2086316	1 536673	1 1757968	1 2654797	3019996
Cystelin C	0.8324863	0.9985219	1.0236332	1 4R1521B	0.03619090	0 9926372	1 0732799	1.065717	1.0139242	1.2256005	1,1066649	12001579	1.1663035	1.1443734
Phase 1 RCT-0	1.139858	0,71701396	1,0003709	0,68095833	1,1336963	0.9153129	1.0787315	2,0324595	0.6052387	1.1016563	1.8671871	1.1470342	1.2391974	1.4645307
Gadd45	1.1212214	0.98015755	1.5476843	1.5847269	1,9324737	1,4866054	1.2706566	1.1800238	1.0598949	1.0560398	1.3325402	1.0159873	12725604	1.594505
Phase-1 RCT-158	0.87888837	0.9595298	0.7086914	0.65256846	0.7462384	0.62909317	0.79690754	0.8972555	0.85590837	0.860619	0.98262674	0.9128111	1.0123678	1.0702816
Cofilin	1.1570742	1,12839	0.78396255	0.5626527	0.79511625	0.9511941	1.0146745	1.2069871	0.95483273	1.096938	1.180186	13372662	1.0910318	1.137127
Phase-1 RCT-127	1.1731942	0.8746264	0.8630269	1.593747	1.0895053	1.2648574	1.1041766	0.97028404	1.0212334	1,090/19/ 3597327 A	CAC1927.0	0 6262445	0.81332/23	0.5000000000000000000000000000000000000
Macrophage inflammatory protein-1 alpha	1.1438828	1,0980508	1.202087	1.3338223	1.1200813	77770055	1.230U/44	1 1622735	1 0427287	0.8443515	0.7016313	0.60373163	0.8245552	0.8060321
Chesa 1 RCT-73	12394292	0.9733691	1,240843	3 5	1.2640795	1.0449661	1.0212553	1.0926237	0.9739215	1.1756834	1,4134628	1.3814272	1,225917	1.0566547
Glutamine synthetase	0.84774464	1,338546	0.7741242	0.50566787	0.6727383	0.5808148	1.0054841	1,0304278	1.1833715	1.2668344	1,3885561	1,2699624	1.1902468	1.1897073
C4b-binding protein	0.73145384	0.9477621	0.6890364	0.68799686	0.5242738	0.63061243	1267755	1.3542994	0.9715494	1.2728775	12742926	1,4233519	1,032/133	4 0720447
Phase-1 RCT-242	1.0337737	0.9906266	1.1379157	1.7740561	1.4139427	1.1897812	1.1481904	1.3181925	1.0166258	10303000	1.050847	4 4797882	0.56405210	1.0120447
Phase-1 RCT-50	1.1630429	0.95040005	1.4580586	1.4430426	1,5234862	1.198/805	0.03807786	0.9314/11/	0.00117016	13733981	1 4450591	1 7082874	1,452989	1 1024799
Hongaion rador-1 apria	1.0932711	1 0416279	1 4731777	1 6306949	2 2487478	1.6656935	1.0033205	1.1197953	0.92796385	0.7730939	0.81248814	0.79830956	1.0477253	1.1413854
Insulfacility ormath factor binding protein 5	1.1820804	0.7652686	1.1222599	1,2228698	12861344	1.4935	1.9256322	0.90981317	1.0333562	0.8994616	1.2072899	0.9534307	0.7946878	0.8021661
Phase-1 RCT-59	1.0893652	1.024917	0.9174081	1.0365509	1.0070639	1.0950058	1.0884624	1,059504	1.0034807	1,1143671	1.1807536	1.1352777	12706676	1.1089526
Phase-1 RCT-76	1.0357732	0.9622956	0.7556598	0.96824753	0.8370369	0.9329317	0.7887555	0.66523135	0.82269716	0.9421583	0.88645/56	4 2525402	1 2544473	4 4003645
Fertitn H-chain	2283105	1.0329417	1.7181236	1 2340729	1.8780612	1.9228501	1.1510612	4 4238896	1.1021030	1 4262973	1 3952539	1 632908	12422104	1.0442635
Selenoprotein P	1.2461004	1.0462633	0.785249	1 1653770	0.0014037	0.9024323	1 0087823	1 3428742	0.9887665	0.8640908	0.7015462	0.55099124	0.76247245	0.8455854
President Det 214	1 0071084	0.6219892	0.799197	0.47687855	0.7030263	0.9870843	0.77926284	0.96399645	0.86939174	0.96877583	0.91864127	1.0431243	0.94864947	0.9410788
Phase-1 RCT-112	0.8768794	1.0810237	0.8057045	0.4808681	1,0105424	0.90433913	1,0138153	0.80567825	1.0769457	0.91680765	0.9999994	0.99196833	0.69529253	0.7365396
Thymldylate synthase	0.94244105	1.1756895	1,402874	1.7747816	1.1288302	1.3272288	1.1043297	1.1647047	1.119215	0.6350414	0.71315575	0.5718552	0.6282539	0.76018053
Phase-1 RCT-13	1.1765426	1.1647189	1.2482631	0.89159936	1.3822012	1.2546532	0.5985585	0.5676224	0.5848123	1.168/403	0.98045474	2 4000005	1,02/3/16	1 8427244
Nucleosome assembly protein	1.4712149	2.8556898	1.4146132	1.021456	1,4704812	1.208362	1,67528.T	0.7446720	0.76214755	0 81924315	0.6519031	0.68001765	0.5105014	0.6832889
Chalesteral 7-alpha-hydroxylase (P450 VIII)	1.0234778	1.030,0001	13143101	1.4044300	1 4729612	1 0561058	12112505	0.897669	1.1837156	0.8765732	1.059849	0.7596156	0.87665	0.99871224
Phase-1 RCT-260	0.77804196	0.9023364	1,0113965	1.1737072	1.1073278	0.89842683	0.9920455	0.9826291	1.071274	0.9197269	0.86553943	0.79983824	0.69756705	0.89006114
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Phase-1 RCT-32	1.1432043	0.85519004	0.91402906	1.59507851	1,7381517	1.0038778 0	91714424 0	90861094	1.0538156	1.551048	0.80312811	0.8110076	396011883	1,2237376
Peroxisome assembly factor 1	1.0323083	0.99440926	1.4234952	1.9633785	1.5175608	1.4229635	1.0537329 0	1.87259704	1.06222061 0	85335374 0	76731944	3.77089816	1.0260447	1.2696807
8-conguantine DNA glycosylase	0.99240494	0.92591345	1,2338805	1.3476398	1.0543523	1,1158218	1.1057494 0	31604406	1.0741043	0.7874155 0	705283697	0.6841674	0.8569114	0.9105654
Phase-1 RCI-82	0.9334222	0.9749/00	0.9002414	12280474	1.2469045	1 2583331	0.347333 C	776/002004	1 2282654	0.523384/ U	1 10705/13	1 2483231	0.81514393	1.02550271 0.8044534
Phase-1 RCT-184	0.567238	1.055461	0.6854646	0.49463396	0.5922131 0.402	7.40222323 0	83663875 0	95564204	0.8965138	1.2789512	1239261	1.274277	1.0947924	1,2301239
Phase-1 RCT-168	0.8123817	1.1742411	0.6424666	1.0867578	0.6763883 (0.72768736	0.9039989	0.9983012	1.0997419	1.4144046	0.914677	1.3156062	1.3835254	1.2019238
Phase-1 RCT-119	0.8207868	1.1139419	0.8021287	0.45551002	1,0477946	0.9370368	1.0710961	0.8772182	8630 1	0.6911626	69718917	38952243	3.48270375	0.5414503
Cerbonic enhydrase II	0.8942457	1.3060044	0.91977584	0.9968939	0.91585064	1.006738	0.7518667	1,0032895	8	0.6562319	0.7640954	0.6260685	0.6872156 0.9494	94945604
Tryplophan hydroxylase	1.3700457	1.06/0235	1.2903811	0.93139917	1.3320335	1.0765119	0.7785382	0.836/0/1	0.69688246	1.1066045	1,5355/9	1.0386726	1.0393841	0.9811491
Phase-1 RCT-179	12332217	1.0883875	1.0033563	1.0451742	0.9882843 (0.87168765	1,0124098 0	96322876	20935	1.2193669	0.975552	3,85694844	1,5513654	1.5742469
Phase-1 RCT-161	1.243147	0.91956404	1,3384517	1,3796713	1.5315013	1.2478894	0.7341741 0	75393057	.68676984	0.8951613	1.0139214	0.9247528	0.8414747	1.0606225
Phase-1 RCT-207	1.0602763	0.8443131	1.1951059	12575887	1,5198549	1.1839384 0	0 99086056	4396	0.9057024 0	77927417	0.703091	0.5536179 (3,92618203	94778013
Phase-1 RCT-144	0.99910265	1.1174304	0.9827853	1.65814	1.1553274	1.1185299 0	.90385133 0	0.93015647	0.8136091	1.0663658 0	79565275	0.9034071	1,3248376	1.3309369
Phase-1 KCI25	1 0474955	1.56340414 1.8851987	1 6501348	1.0543327	1 2321445	0.835/133	0.5075081	0.68263614 0	1 0469469	0 8985198	0.7150/464	0.5692261	O BOARDES	1 3333130 1 3338028
ID-1	1.1059829	1.2986774	1,3141364	1.7983679	12837155	1.3552673 0	388	0.84812194	0.866928	0.9742351	0.88793405	0,8400168	0.8937391	1.0599697
Thioredoxin-1 (Trx1)	0.9310074	0.839216	0.98423404	0.82561284 (3,88133675	0.9318594	1.1698607	1.1778405	1.0454142	1,1316029	1,5981606	1.3663913	1.6787603	1,3549397
Carbonic anhydrase fil	1.7213516	1.1666462	0.71759766	0.5098476	0.6897191	0,6762102	0.5153954 0	1,83561176 C	23945069	1.1618223	0.605354	0.60088986	30557293	32899174
Phase-1 RCT-140	1.2391413	0.8978749	12201675	1.4656594	1,433,7008	1.4096093	0.9546675	0.969325	0.9041814 0	0.90500337	0.7610446	64539397	3.87798095	89712005
Complement component C3	1.0187556	0.89705867	0.6284253	0.3543118	0.5436027	0,57835364	1,011193	1.0758595	0.7849444	1.1679167	1.1743486	1.7250384	7.74021965	0.6443538
Glucoldnase	4 2005074	1.7143683	0.8938666	4 93423048	0.42877805	0.5431609 0	0.67163104 0	0.02892475	1.0330616	0.6101243	0.5853838	0.5/18501	75000E64	76724656
12-methyladenine DNA akmeujase	1 3880088	1.0822915	4 7572604	1 939452	2 5040714	1 6593521 0	99834057 0	87823087	1 0342689	0 7999411	74301076	0.8328836	1,67791873	0.8669892
Peroxisomal multifunctional enzyme type II	1.0454307	1,119119	0.89886224	0.90751714	1.2651827	1.0011868	1.063794	1.0623125	0.9851901	1.3593146	1.3733801	1.417047	1,5145717	1.1423458
Phase-1 RCT-40	0.8972715	0.90371233	0,72362816	0.45483604 (3.67871815	0.9790198	1.1825911	1.1886967	0.921732	0.8916234	1.097505	1.2539204	0.8926131	0.8909886
Senescence marker protein-30	0.80066717	1.1264855	0.56929048	0.18975109 (0.30360773 (0,46634927 0	.40304542	0.9013601	,42268443	1.0850809 C	75968504 (3.89789005	0.4350511	54463935
Cyclin G	1.0575448	1.0889081	1.3929912	1.7177427	1,5048895	1.3911839	1.2799363	0.7984356	1.0974002	2 0.74459577 0	1,71315575	0.9847849	1.6317267	2,2594092
Melanoma-associated antigen ME491	0.90764	1.1525635	1.1810694	1.386257	1.0466396	0.9930844	1.1365267	0.9511/41	1.0840042	1.163343	1.1323628	1.0050158	1.0715066	1.1808499
Frase-1 KCI-26	1.0827245	0.8483466	0.5675309	1 2920823	0.9046095	1 0784153	0.9303685	0.9903262	0.9432057	1 2324685	0.9757874	0.9847849	1.0753324	0.8808404
Alcohol dehydrogenase 1	0.47733828	1.1642629	1,4324944	0.43861338	0.40859848	0.58562976 0	.82795495	1,6157836	2.3386664	1.0786114	1.1046785	0.9850587	1,72383875	52770724
Slem cell factor	0.88837266	1,0385752	0.8941948	0.54952675	0.50560594 (0.73273104	0.4953291	0.9225019	.53597814	0.9755854	.92293656	1,00816	3,51940364	68678236
JNK1 stress activated protein kinase	0.6620542	1,3218015	0.8852462	0.5701857	0.5559413	0.6825796	1.2737702	1.209875	1.8610651	0.7605216	1,1184555	1.0007625	0.7786888	90056646
Protein tyrosine prospiratese alpria	0.8011007	1 2611818	0.833702	0.5340882	0.950500	1 1775051	0 6549422	0.5763462	192438287	91017746	R1605774	192121494	1 0833316	99984837
Uhiquilin conjugating enzyme (RAD 6 homologue)	0.9426815	1.0518057	0.65643334	0.6710243	0.62050576	6 0.60197973	1.1180228	1.0648289	97500813	1.1630497	0.7036651	1.1223367	1.3116329	124775
DNA topoisomerase I	1.0304797	0.9989806	0.637692	904692	6973	0.5962006	1.1216801	1.2448287	0.9236388	1.1730697	1.1526027	1.6801039	3.7845447	0.6841924
Phase-1 RCT-280	1.0689518	0.8569488	0.7204538	0.4489199	0.7083872	1.0215383	1.114795	1.305788	1.1028528	97023237	1,0636455	1.1562618	0.9759067	0.9970338
Supercode dismutase Min	1.0/1405	0.8/8545	1.118839	0.941335	1.1316545	1.2891518	1.4026673	1.1485211	1.4382639	1 2440784	1,35/8448	1.080616	1,5635503	1.2050035
Carbarry phosonate synthetase	0.8638611	1.128195	0.82682663	0.44580807	1.074106 (0.93969226	1.5049605	12698646	1.8348832	0.716109	0.7266661	1.0019431	1,47491983	49177533
Diacytglycerol kinase zeta	1.0407083	0.86594653	1.1667539	1.4131839	1.0197732	1.0679245	1.0143887	0.9018737	0.9467386	0.810681	.63778495	0.7206378	3.98024255	1,0070215
Phase-1 RCT-141	1.1024103	1.2061467	1.1648794	1.6343912	1.0954407	1.3366052	1.5613998	1.2027136	1.0416032	1.1759837	1,0016094	1.1464907	0.9644302	0.9609263
14-3-3 zeta	1.12982	0.9454805	1.4821098		1.4282246	1.355797 (76705813 (0.85002565	0.8192508	1.1501281	0.6399084	1,71506383	1.3123472	5.873685
Genme-actin, cytoplasmic	1.8038318 1.4580055	1.286891 0 QOR11R07	1 2251987	0.46266776	1 2456899	1.01/9112 (0 8886427	81322557	0.901118/b	1.0386633	733353	1.0330202	7.367967	1.0034432
IKD-a	0.9706361	1.0570719	0.773755	0.86831176	0.8319932	0.9149495	1.0288937	0.9716819	88724005	1.1392039	12045201	1.4732015	1.176797	1.0986013
Phase-1 RCT-65	0.97353697	0.9196061	0.91880566	0.6280922	0.92147976	0.9800039	0.8353096 C	78196186	0.9521828	0.8271786	0.8493415	0.9684985	3.72224665	0.853315
cylun	1.0440879	1.0323354	1.3379072	1.183718	1,7598337	1.3914863	0.9158442	0.9021527	1.126949	.61717578	.66854428	0.542862	0.65473944	0.8615619
Protein O-mannosyltransferase 1 (Pornt1)	1 0470000	0.8370483	1.4959221	1.1039135	1.6731682	1.8138875	0.6587553 (78463043	1.88755025	1,394354	1.419673	1.0/21/42	1.4264121	1.13/34/1
Phase-1 RCT-12	0.8696305	0.71343845	0.95041	1.4058164	12835875	1.1194177	0.7636723	0.7853661 (84763944	1.2154896	1.3248321	12227491	1.4042603	1.1804006
Interferon related developmental regulator IFRD1	0.0000	27.50	1	20,000	,	↓_	1000001	0,000	,	7000	2,000,00	1 2000000	36.496.00	00077000
(PC4)	1 4370182	4 1145056	0.8/822204	0.0310163	0.7354467	1 0906045	0.0183000	1.1218346	A YROOTA	1 6350787	1.3103130	-	1 2961355	1 133065
3-beta-hydroxysteroid dehydrocenase (HSD3B1)	2,663502	1,4742254	1.5543119	1,699762	2.792885	2.4521976	0.8011006	0.8288512	0.8777147	1,0280991	1.1222498	1.1331949	1.4706546	1.7941374
Caspase 6	0.9862551	1.0946655	1.126829	1.0405338	1.0520545	1.203263	1.0329467	1.0660926	0.9580385	0.788857	0.806992	0.75845647	1,019783	1.242393
Phase-1 RCT-169	1.0000807	0.8884656	1.0351144	0.6997022	0.8865229	0.73000455 C	.87941843 (1.82221055	1.2680169	0.6967915	0.720013	3.65093565	0.7454978	196776567
Phase-1 RCT-197	0.89722824	0.83655727	0.9335776	0.78229344	0.834303	0.78503543	1.1328113	0.915529	1.1441749	0.9955719	12469375	1.3207586	1.0216105	0.8816564
Phase-1 RCT-34	1.1258430	1.0631685	1.10860411	0.91336451	121946821	1.285032bj t	1,891159691	88376510	1.1890522	1.1623/561	1.54.369391	1.4030331	1.30840401	1.2830077

		0000000	4 100000	1100000	100020001	, 00000	0 12100000	0 2200000	0400004810	02274006	0 0004770	0 8022810	0.8958537	1 0092793
Phase-1 RCT-72	1.1133952	0.9821956 4 0347305	1.1925652	1.1126335	1.1997893	1 1450036	1 10053317	96189755	1 1942214	1 6536713	1 3679624	1,636046	2.1904655	2.153786
Dhace (DCT 200	0.8671398	0.9507059	0 9815131	1 R9R95564	1 1861205	1 0099355	1.192301	1.5527099	1,318691	0.993163	1.0845277	1.0851633	1.093711	97937715
Direct DCT.00	0.0997728	0 0144981	1 1582496	1 0873419	1 0931048	0.8937193	0.9580356 C	1,89167017	1.0145376 0	79639067	0.8214982	0.7912212 (.67050266	0.9795315
Concheme DAFO 2020 (alternate clone 2)	1 0357327	1 2538536	1 0934596	26536748	142541644	0.3796345	0.8842151	1,7868392	1,3269448	1.2794954	1.1426038	1.7234975	1,5944669	1,3918762
Phase-1 RCT-290	1.1879808	0.5457887	1.016117	0.9479773	2.2084892	1.524138	2.2168322	0.7598883	1.6366665	0.5331273 0	72564065 (0.46383664	0.5422704	0.6239654
Phase-1 BCT-261	0.98461634	1.0423756	1,5716176	1.0047878	1.1127803	0.9639922	0.9158043	1.0088595	0.8698819	1.0927511 0	1,75206673 (0.83700985	0.9943855	1,0012251
Methylacy-CoA racemase atoha	1.0283377	0.94704217	0.69278723 (0.41675815	0.8934175	1.0358816	1.2051945	1.657408	1,2501811	0.9309123	1.0489056		0.904011	0.9991674
Cytochrame P450 1A2	1.0135593	1,2250063	1.3996919	1.0165514	1.3132459	1.1657231	0.9199079	0.824577	1.199055	0.8801827	0.8438733	0.6691975	0.69888484	1.1315798
Phase-1 RCT-297	1.2007958	0.95852077	12021941	1.1164916	1.1842914	1.1755172	1.0085293	0.8343084	1.138099	1.1653252	1.1352979	1.12091/	1.306063	83613698
Monoamine oxidase B	0.6423626	1.15/2666	U./545513	0.433810/5	0.5/363043	0.7037.0044	1.1240411	1.313030	0 8657482	0.0055170	1 544288	1 1378871	1 1159463	1 0591447
Phase-1 RCT-264	0.73624504	1.00//008	4 2006204	4 0040175	0.000/013	4 0774373	1 1057012	4 3705372	1 2582737 0	70215707	0.6796428	0.6014168	56812143	71628386
December 1 December 142	0 9098114	1 0619979	0 R0577815	328	188	0.45011634	1 0368531	1.0780122	0.9830031	1.1555228	1.2451797	1.2538878	1.106933	1.1823808
TRASE-I RU - 145	4 4354242	C32654	1 2738513	4 2410GB4	3 5	1 1041687 0	99256164	1 2305794	1 2859439	1,0059791	1,0346354	1,0046551	1.0294504	1.156765
Pridasen recinion	1 1838549	0 78938454	0 82524055	1 2925429	1 1398587	1395122	1.1609622	72811425	1,2148902	1.1024011	1.139755	1.0716795	0.72915	0.6983435
Christians Samoleuse theta-1	1.0247405	0,81827533	1.0443757	1.0321689	0.5732338 (71145064	0.8407747	1.79333866	1.021025	0.7516499	0.7326561	0.60599655 (0.87209624	0.7905281
Phase-1 RCT-91	1.0971608	1.0797566	1.1300784	1.2285955	1.1578045	1.0089387	0.9496775	0.826154	1.030492	1.0271915	1.1759986	0.9954936	12317235	1.0626837
Phase-1 RCT-148	56068696.0	0.8537481	0.9705102	0.89206004	1,0052775	1.0317422	1.070812	0.9989189	1.3628603	1.0520098 (0.90524524	1.0167478	0.9111504	1.0988698
Phase-1 RCT-142	0.8948782	0.8972585	0.8519463	1.6129699	0.7379817	0.7518993	0.9635931	1.1634591	1.0308214	1.1138959	1.1388974	1.1535231	1.270502	1.177291
Activin receptor type II	1.0105428	0.94028807	1,2458761	1.2893139	1.3550459	1.3708347	1.4498767	1.0637509	1.0233214	12714282	1,3938954	1.1603849	1,5254729	1.1668838
Glycine methyltransferase	1.0667388	0.97576207	1.5275662	1.0315429	2.3527732	1.2420052	1,5151902	1.1219771	1.7087504	1.3783327	1 5262526	1.5273745	1.0900857	1.1465003
Phase-1 RCT-281	0.97093594	1.03552	0.87079906	0.42361277	0.52098334	7.49527457	0.8754103	0.85146534	97845285	1.1020621	1.072388	0.904/653/	1.409/464	1.1/60411
Olliary neurolrophic factor	0.9038951	1.0951402	0.8785607	1.6329819	0.51844907	0.6941247	1.0442452	1,399/265	1.3033501	1.0430003	0.01841203	0.000000	0,013/018	-
Gap junction membrane channel protein beta 1 (Glb1)	0.000000	270224000	0.7500004	100000000	4 4 9 0 0 0 1 0	4 0308338	0.8545201	4 OFF3798	356203356	1 3870763	12691907	1.2636902	1.0650724	1.0103155
200 200	0.9933124	0.03377047	0.7300324	0.0000004	0 7227462	701087	1 000R577	1 135467 (72557556	7600656	381321585	0.6605469	0.9354985	0.9599732
Phase-1 RCI-86	0.67262737	1201020 0.002000	0.0012040	0.040730	0.1221402	0.701307 0.033014R	0 R842R71	1 0929817	75069475	1 2428519	1 2898679	1.4175856	1.1620263	1.0603054
Phase-1 RUI-25/	0.74397447	4 340247	0.00203000	A 4527024B	0 6400554 (157125986	1 1164458	12145616	1.143033	1.3613298	1,7741677	1.5839422	1,4579244	1.3210815
Mostlone their and Coll similation	0.8167134	12765094	0 6298697	0.99137443	0.7033424	0.7382689	1.0032681	1.1755319	1,1901367	1,3148959	0.9897834	1,2415271	1.4905001	1,22,149
Very lung-crient acythody synmicroso	0.00544054	1 1 1 3 3 9 3 7	0.6171903	0.48419256	167226526	0 7748131	0.7419481	0.7732732	0.8508705	1.0230259	0.9909522	1.0802224	0.8416339	83976394
Statution	1.0794864	0.87999386	1.1895608	1.8433942	1,4073111	1.1959909	1.0324122	1.0477264	1.0312716	1,3391072	0.7791887	0.8175948	1.0714766	1.1338432
Phase-1 RCT-145	1.1299706	1.2445863	1.1725503	1.2725601	1.1528898	1.2497531	1.159368	0.97870237	1.0032083	1.0094881	1.0274278	0.9187018	1.1928287	1.1540675
Adn	0.8624198	0.9914983	0.80439496	0.6567092	1,0213041	0.94820386	0.9596664	1.0840485	1.0549903	0.89526194	0.98758376	0.9781731	0.80337673	B0053866
Phase-1 RCT-89	0.83302945	0.823312	0.801128	0.73542845	0.76368874	0.8257804	1.0020296	1.0444165	1.1415734	0.9713988	1.0104742	0.9569673	0.64706105	0.7333620
Sarcoplasmic reticulum calcium ATPase	0.8371521	1.0866849	0.88742936	0.6734563	0.8105515	0.96681887	1.0033226	1.0588877	0.9787979	0.63902104	0.84814330	7000000	0.5034371	407103704
Alpha-2-macroglobulin, sequence 2	0.54499954	12101953	0.72181207	0.31802084	0.49879053	0.45758858 (3.98415077	1.00/3936	1.1946173	1,1211750	4 44 550 45	4 4 4 4 7 7 7 4	4 4805742	1 1 1 RGM28
Phase-1 RCT-204	0.98571235	0.9619961	1.1748432	1.6099974	1.1/325/5	1 030835481	4//8/24/042	1.019035	0 9281314	1 0688312	10492276	0 9984745	0.8788387	0.9587053
Vascular endothelial growth factor	72721118.0	1.1151697	1.0071300	0.3100/43/	1,0203102	1.0230100	0.01.34012	1.00000	0.02012		2			
NALLY-dependent isocurate deriyarogenase, cyusonic	0.94756013	0.8442578	0.78342465	1.101536	0,6220579	0.6937524 0	0.89087796	1,0579951	0.865129	1.1322789	1.132729	1.0933871	1,209089	1.1112541
DNA binding protein inhibitor iD2	1.1102699		0.8589903		0.6087255	0.96863765 (0.81568235	0.6615355	0.8290382	1.0609827	0.8779379	0.937696	0.9430669	82331795
Glutathione S-transferase Ya	0.4984266	0.8804152	0.46268705	0.30241132	0.40591794	0.40591794 0.55882424 0.64492416		0.8193254	0.5363905	0.78440446	1325271	0.5643275	0.7383628	257186347
Epoxide hydrolase	1.0871125	1.2621678	1.1429015	12359841	0.96450636	0.98247075	*	0.94461733	0.7578076	1.003/603	0.6948493	0.53//839	0.72600544	0.8365/24
Insulin-like growth factor I	1.2073834	0.71102136	0.65843636	0.3423401	0.660/639	0.55224134 (-	0.86051345	0.0070070	0.2011/24/	0.23511.20	0.504050	1 0765249	2 000136
Prostagiandin H synthase	1.0008346	0.77859515	0.82047725	1.569474	1.171131	1.304474	0.7434146	0.603/2/1	4 1756442	1 1089396	10043801	0.92692524	1.0620134	1.0582411
Phase-1 RCI-136	0.83643636	0.8000833	128 0 48242635	0.4447587	0.4135021	0.36015537	1 1030399	1,49647	0.9585726	0.8778523	0.78326696	-	0.99019164	3,82087946
Prisse-1 RC 1-13/	0.85669893	0.930181861	8	8	0,98512446 0,99	74047	0.9402455	1.1397868	1.0692378	1.1639918	1.1510906	1.1548396	1.0469373	98085374
Henatic Boase	0.8189607	0.82867813	0.38832584	0.38053298	0.3749117	0.3899957	0.952241	1,5523908	0.848183	0.7142714	0.7968571	0.5994129	0.6593102	0,66537225
Phase-1 RCT-164	0.602118	0.9334868	0.78230816	0.32114205	0.72181714	0.6543307	1.0582087	1,2225151	0.9374888	1.060052	1.4966034	1.1923112	0.94676393	0.8050434
Acyl-CoA dehydrogenase, medkum chain	1,2992693	0.88466233	1.1801791	0.984404	1.5576025	1.6631384	0.9889854	1.4061319	0.9238836	1.1175383	143/2351	1.4761192	1.1064239	0.977006
Glutathtone S-transferase Yb2 subunit	1.8718265	0.88136055	1.6705761	0.8412988	1.1805619	1.1041149	0.52609193	0.92142266	0.7224683	0.8025529	0.881923	1/8979/60	1.08/665/	0.30/4830
Carbonyl reductase	0.9404785	1.069329	1.0365885	1.4100441	1 0435016	1.03/5592	1.0123186	1.725.5942	1 08990203	1 1758167	13158814	1 3874834	1,135384	1.1834991
Prissenting E	0.505327.0	801567	0 34809972	3 2	778217260	0.44365287	1.1903177	1,496708	1.1283401	0.9035759	1,1175183	1.1548078	1.1272345	0.7669079
PO of an instrumental processes	0 9797063	1 2393641	248122		0.5072386	0 7795665 (0.63332504	1.4982628	1,0326583	1,583635	1,3166337	1.6179321	1,3939263	0.8238418
Guathione Stransferase P1	1.025153	0.9610734	1.2717614	1.3894157	1,5776172	1.0894295	0.64729124	0.65732193	0.8254397	0.7652119	0.7735677	0.844592	1.1322335	1.0563254
Disutfide Isomerase related protein (ERp72)	1.115705	1.0286984	0,7875244	0.84146845	0.6871465	1.1025625	0.7685581	0,8049518	0.7825036	0.98373906	0.9824974	1.203688	0.9420667	0.8814243
Ribosomal protein L13	1.1462795	0.6879058	0.8525287	0.59500927	1.1314692	1.1671258	1.1774678	1.4006273	1.0111048	1.0303836	1.2395492	1 24913/	4 0497854	1 0465773
Ceruloplasmin	0.6271111	1.0040637	0.71988183	0.53558135	0.3944621	0.6765727	1.5836926	1.6463077	1.3405108	1,2285191	1 6024307	1 2003311	1 0581905	9500000
Inter-alpha-inhibitor H4 heavy chain (Ilih4)	1.4695036	0.6564554	1.6809555	0.6/62012201	1.49013/0	1,337,1324	1.13232721	1,0001,001	1.04.02001	1.4.74.4.7.1	1,006,400,1	12000000	1 1 1 1 1 1 1 1	

		000	100	1	, 000000	100007	4 0000464	4 0544990	4 0740596	4 4045004	1 5701044	4 5265546	1 402396	1 22949B
Phase-i RCT-3	1.2419602	0.9470188	1.5433484 1.7307336	77773536	1.6369633	7.0003	1 1818573	1 2993778	13416951	1.1508287	0.9960458	1.1079235	1,0192	1.1197839
return beta (Fettion)	1 0643935	0.80777716	0.9581879	81844736	99446017	0.9809315	1.1212432	1.20272	1,0871594	1.1052545	1.8287541	1.1450262	1.1172029	1,3317946
Carbonic anhydrase III. semence 2	1.1974883	0.77550304	1.1386294	0.41119775	0,7535558 (0.58611894	1,113656	1.3967116	1.5469589	1.2077336 (89485985	1.0081688	1,0255328	1.1682376
Phase-1 RCT-10	0.8576085	0.85355234	0.6091372	0.6593756	79776065.0	0.6992076	1.016321	1.4078288	1.1280793	1.0973334 0	3.90001625	1.0771371 (30368134 (.87338173
Alpha-2-microglobulin	0.51837337	0.9435072	0.32788545	0.6780533	0.5984345	0.5817363	1.1376168	1.4239786	0.7508458	1.2812828	1.2/14749	1.0924637	1,0390911	0.9580261
Dynamin-1 (D100)	1.0119562	0.79577225	1.152332	1.3243297	161467	0.8956577	1.1067666	1.1715716	1.2016274 C	36805185	0.8695496	1.1220694	0.8926/87	72724745
Lysyl oxidase	1.0105428	1.1330013	1.1675129	1.5395381	0.99999994	1-2060999	1.1709265	1.1467819	0.883201	0.7886665	1.7840b614	4 00040003	0.0342692	1,1323 F43
Phase-1 RCT-252	0.84924257	1.097804	0.78715897	1 0.515372	1.0169005	4 5405265	1.49/9618	1.2834374	1 0484765	1 1782395	1 5341979	4 F964B3B (0.88471983	96198547
Phase-1 RCT-29	1,3804151	0.2011615	1.07 1 1033	0.7921466	0 97875476	1 1049987	1 1639533	1 2206627	0.7801781	1,3851049	1,9130512	1,5607904	1,1007915	37856305
Phase-1 RCT-42	10193301	1.0308203	0.89592254	1.4868101	1,1012812	0.9588347	3,92500615	0.9234269 0	0.91980726	1.3020242 (0.93267953	1.2377374	1.3649735	1.1035239
Phase-1 RCT-25	0.9627033	0.8785807	1,2335186	0.79907656	0.849863	0.8861229	1.0324773	0.9812401	1.1171248	0.760996	0.994223	0.9099507	0.8400076	0.9525962
Cytodrione P450 2C11	0.953797	1.1740211	1,3849149	1.5669248	0.9578871	0.9048819	1231681	.98625237	1.1102612	0.7606637	1.1829329	0.8029619	0.8905117	1.464419
Phase-1 RCT-202	1.6709788	1.0381017	1,3282944	0.7669591	1.1920956	1.0889604	0.847793	0.9661573	1.0515465	1.0183845	1.3078291	1.1794674	1.1313527	1.145263
Complement factor i (CFI)	0.87848324	1.2932035	0.8263027	0.5222896	0.77588594	0.7503209	1.0831015	1.3045138	0.9382849	1 2981285	1.8721047	1.788983	1.4467684	1.38//846
Proliferating cell nuclear antigen gene	0.99849045	1.1285015	12494142	1.2121432	0.8818202	1.1517814	1.2454054	1.1725035	1.0515897	0.634904	0.6776711	0.60821134	0.791/0954	1.03819/5
Activating transcription factor 3	1.149928	0.801557	1.266311	1.2442491	1.466224	1.3588183 (38888755	92965/94	1.0084718	,89359764 0.89359764	0.886353	0.80333033	0.93000483	20761200
Focal adhesion kinase (pp125FAK)	0.6747646	1.202056	0.53520787	1.3538481	0.65862566	0.7128604	1.221897	1.1863109	1.0608697	0.8707302	0.3/04030	0.80770655	0.0000734	0 9006771
Phase-1 RCT-289	0.8072727	1.0415077	0.863539	0.7777567		0.7192993	184982017	CBECC/F.O	1.0430300	100000	0.0001000	0.97779000	4 0744138	4 00010ER
Phase-1 RCT-259	1.202125	1.0770792	1.0530827	1.2089424	Ž,	0.92269635	0.9748097	1,049939	.9686986 4 4 6 6 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5	1.01.0419	4 05347	4 4206524	1 0502475	1 0169963
Iron-responsive element-binding protein	0.7253452	0.9828642	0.88863033	0.85451555	0.6590506	0.8462193	0.86439365	1.105/422	1.1062392	1.0033323	1,00317	4 20005424	1.0002413	1 2/36577
MHC class I antigen RT1A1(f) atpha-chain	1.0786797	0.70452607	1.2992707	0.9309924	1.11526	1.0888743	0.7948624	0.6923142	4 064004 /	1.0002/3	1 2053154	12030	0.803215	1 0087992
Anyl sulfotransferase	0.6313/39	12120928	0.9033620	4 677020	1,000,1	4 074 2024	1. 180 1230	4 0965843	1 1601365	1 0798303	0 8887018	0 8854394	1.0031438	1.0048094
Phase-I RCI-171	0.5041404	100110	1.1702240	1.02/10520	1.022311	1,071,000	1.034030	0 9373307	0.7736761	181237924	0 7245623	0.6578652	0,6963773	0.85129315
Phase-1 RCT-83	0.5611340	0.04177385	0.0200110	0.3633020	0.33001354	PEROPER U	0 ROSB478	0.9003498	H3640695	0.9493927	0.87563944	1.0178083	0.78330505	0.8309505
Phase-1 RCI-2/0	0.0034302	1 2352007	0.0270113	0.302302	A CENT OF A	0 5204162	0 8793654	1 0503604	0.9662892	0.9714825	1.0046073	1.1488562	0.95220387	0.9074785
Colomy-sumulating raction	0 0774387	1 0890287	0 93706816	1 2180481	0.85405064	0.96508676	0 95349723	0.9165829	79932016	0.8317262	0.7333394	0.69739836	0.64459246	0.6676917
Dhace-1 BCT-62	0.9944514	0.96845555	1.1002647	1.5609868	1,0095621	1,3819175	1.0368507	1,1515526	1.1348735	1.1241823	0.9460457	0.9682907	0.9778253	0.92433727
Phase-1 BCT.22	1 0309992	0.88477266	0.9208531	1.1118723	0.8762769	1.040574	0.99489284	3.94587827	0.9564677	0.8876097	0.78667694	0.8024801	1.0298456	0.9873489
AT.3	0.9486357	1,0689591	0.8618068	1.4422562	0.87948835	0.8734754	1.0436265	1.1171165	1.0065508	1.1627029	1.1913149	1.1734469	1,0966538	1.0544688
Phase-1 RCT-18	0.94785404	0.9099535	0.8276979	0.79624696	0.78668827	0.9973713	1.0223086	1,0343493	3,95874435	0.8838861	0.68349713	0.8107092	0 9253744	0.9976154
Phase-1 RCT-123	1,0073142	0.9902706	1,1301395	1.5063019	1.1142502	1.0285412	1.0402423	1,0472378	1.0217979	1.0832218	4 4043076	1.1501569	1,0141397	1.0704313
Phase-1 RCT-68	0.96470374	12095817	0.9276945	0.69698614	0.811/6/04	0.39313474	1 missos	U.DAGOOV	100	1.1300000	1.00	-	-	
Equilbrative nitrobenzylthiologine-sensitive	O FREERS?	0.80510436	0.6052544	0.48077744	D 5269393	0.372596	0.9006228	0.9887567	0.7974696	0.7451109	0.6406779	0.7217597	0.73203208	0.8663918
mideoside transporter	4 0003448	4 932544	0.7358303		0 65805625	0 8233447	13279458	1.262375	1.1971686	0.7977441	0.7336782	0,56188995	1.0036173	0.9224112
Medical market and a market of the control of the c	1 1056743	4 OK62384	1 4659749	1 1762854	1 3910213	1.3614496	1.0012009	0.86359864	39718916	3.91080534	0.7558861	0.6742752	1.036192	1,3066895
Multidate resistant protein-1	1 2074244	0.9909391	1,432,4787	1.378092	1.4655391	1,3983693	1.0303383	0.8569692	1.0795126	0.8655916	0.7879114	0.77943695	0.87792504	1.4578395
Phosphalidyethanolamine-binding protein	0.8849757	0.8605417	0.8621124	0.50779676	0.8162196	0.738199	0.80380666	0.965211	0.86508	1.1519614	1.6692395	1.5651221	1.4186147	1.3067123
Phase-1 RCT-180	1.1246364	1,0255389	0.8684595	0.8705833	0.792661	0.9048056	1.1088364	0.8356386	0.9425121	4 2250555	1 1300001	1.1/20419	1.0013303	1,0400033 1,39R1224
Integrin beta-4	1.0087777	1,0519369	1.264788	1.687235	1.12/860/	1.1/4//25	1.1358151	1.01304/	10022001	0 8000540	1 0712000	0 02649186	4 244924R	1367886
NADPH cytochrome P450 oxidoreductase	1.33238/9	0.8592522	2.036334	1.4033488	0.000390	0.0367903	4 47R4044	1 0967796	1 165472	0.67381454	0.6865786	569315	0.73154205	0.9983718
Conference and and and 41 TO	1 1175763	0 662496	0.80270503	0 6424979	1 1650761	1 0870968	0.5172176	0.43687844	0.4443599	0,7773918	0.8101371	0.819093	0.8513997	0.6643054
Dhace, 1 PCT-53	0 8835831	0.87322843	0.7935852	0.65195197	0.7323425	1.0028807	69458	0.8232106	0.8612233	0.9806664	1,0270319	1.3098391	1	0.93721986
Phase-1 RCT-54	0.8246958	1,0395923	0.91050225	1.0461367	0.76493967	0.73981065	1,046504	1.1585793	0.97225475	1.0396193	0.8665576	0.91799295	0.9997666	0.969173
Phase-1 RCT-240	0.9961065	0.7634113	0.9657406	1.0263587	1.0770789	1,0871097	0.7997171	0.6954027	0.8053889	0.7761101	0.729859	0.5450382	0.82098545	1,5000
Osteopontin	0.97294825	1.2662473	1.2588592	1,2273053	1,4955887	1.0863777	1.0940009	1.1013283	1.1135387	1.0039858	1.3812853	1.906/056	1.310602	0.806013
Organic anion transporting polypeptide 1	1.1176431	1.0826565	1,3916141	0.744193	1.3542881	1.3903283	1,0838794	4 4754034	1.1834400	PENSON O	0.72880715	0 6944316	0 93769765	1.0825619
Phase-1 RCI-241	1.071178	1 0414428	0.7572408	4 5444224	0.52728057	0.64031773	1 3321475	1 1105531	1 0705919	1,2675196	1,7194123	1.5996003	1.1151888	0.835637
Lissue rador panway inhibitor Dotting (alternate	1,0230410	1.04 1442.0	0.1012430	1	0.00	201001								
cyclindependent missed a national and processing	1.1927356	1.4645104	1.1327904	1.1730086	1.1868254	1.1207314	1.1824529	0.88042927	1.0101058	0.92508197	0.8537936	0.8537936 0.87105167	0.76465887	0.9510063
Phospholipase D	0.926753	1.0960155	0.8372892	0.5654422	0.9757952	1.1646981	0.8164531	0.883791	0.93110514	0.84115887	0.74490935	0.7807347	0.87470156	97226036
Phase-1 RCT-39	1.0241119	0.9799214	1.1964904	1.2204541	12544413	1.0620438	1.1361418	0.94990677	1.0533/96	4 0054504	1.121207	0.02430024	10004000	1 0744127
Phase-1 RCT-258	0.9585481	0.940838	0.83643943	1.26152/1	1.3448216	0.915//26	5 PER POOL	4 0347767	1.0110416	4 0770853	0 7748111	0 8073887	0 93346345	0 9423004
Phase-1 RCT-113	0.984/41/	4 0000033	97/4CU.T	3008115070	1,000103	0.6323703	4 027800R	1 0861504	1.0168478	0.88430697	0.74194777	0.57053196	1.0078619	0.9919096
Aberthe nucleotide transforator 1	0.25034368	2659/859 0	1301681	0.7437884	0.5078531	0.67654836	2.2690046	2.0218349	1.8013362	1.4224298	1.8512678	1.44892	1.0761522	0.73294234
MHC class il anticen RT1 B-1 belachain	1.0831755	0.9216663	1.5468801	1,256103	1,7103093	1.3339971	1.0914981	1.4539444	1.2072396	0.90314734	0.9279246	0.91628003	1.0577227	0.9985888

	4 0004 400	4 2400040	1 24090491 0 00703491	4 0052602	4 nespect 0 77658427 0 9895336		0.9365115	0.9267911	0.8912159	1.404158	1.4708837	1,4238292	1.7813425	1,5/66419
	1.0501455	2400040	0000000	37.00	O 757706 O 82413185	1		1 1976819	1 0659926	0.8160984	0.728138	0.6681518	0,728138 0.6681518 0.80014193 0.7445568	0.7445568
Hypoxia-Inductble factor 1 alpha	0.99821913	1.1363/28	1.1563726 U.95.42636 1.2577345	200	0.757.05	0000000		A B1265BB5	F199CC0 U	0 9833371 0 91422915	191422915	0.812772	0.812772 1.0929728 1.0137835	1.0137835
Phase-1 RCT-43	1.0289506	1.0289506 0.90023303	0.857207		0.857207 1.0489281 0.8560UZ1 0.850705	0.0000	0.3113372	4 0240700	0 7515184	PAGA772AG	80019444	0.76479065	A 7515184 A 84947745 A RAD19444 0 76478065 1.0015438 1.0220373	1.0220373
Phase-1 RCT-45	1.0807194	1,019411	1.0503108	1.1554818	0.9225176	1.1554818 0.9225176 0.9704904	0.9230340	1.0240703	1,000	0757757	4 04/8755	0.0350957	0.7377770	0.9154116
Malata debustrances entrentin	0.98275073	0.86293143	1.2459852	0.75300956	0.85485244	1.2459652 0.75300956 0.85485244 0.8714356 1.0554959 0.9453218	1.0554939	0.9453218		0.7357373	1.0140735	0000000	1 1157051 0 5000107	A 50001 PT
malate uchiya openiase, cynosine		0 53425545	0 53425545 0.80203897	1,8166026	1.1505238	1.3916191 0.62682956 0.67833114 0.51680984	.62682956	0.67833114	0.51680364	1.1138051 0.76605335	, redusassa	0201020	1.110183 0.000 1.1101834 0.00034	CC2400KA
VL30 clement		0 7258735	0.7558735 0.83712245 0.7519141	0.7519141	0.9358356	0.8995753 1.2010092	1.2010092		1.0103855 0.85777444 0.99648947	0.85777444	7.99648347	-1	DATE OF THE PARTY	200
Phase-1 RCI-189	0.0001	4 2005	4 000520 0 00070797	4 0005043	0.8635057	4 NOCKOAR 0 BRRS6057 1 0159615 1 D432417	10432417	1.0750349	1.0214797 0.92115563 0.97471017	0.92115563	0.97471017	- 1	1.1346783 1.1010425	1.1010423
Alpha-fetoprotein	0.871/8.0	1.030122	0.204744 0.4074470 0.8189939 1.1230067 1.133545	40764497	0.8169939	1 1230067	1.133545	1,5370404	1.0251554	1.1885084	1.347292		1.0805669	1.1933883
Calgranulin B	1.112320	10111	0.13047 14 0.43104127	0.420074	4 4 4 7 5 7 4 4	4475744 4 1287204 0 04065386 1 01231731 0 848807751	04065386	1 0123173	0.848807751	1.0425569	1,5315366	1,550103	1.1046429 1.1380882	1.1380882
Tissue plasminogen activator	1,44364 lb	0.8323/71	0.1022202	100100	1000	0.0000105	036360	0 04296616	A 026860 A 04206616 A 99389505 A 08418836 0 90497005	0.8418836	0.90497005	1.0412145	1.0412145 0.80510026 0.8823507	0.8823507
Phase-1 RCT-195	0.93342245	0.9289225	0.79135086	0.5525050	000000000000000000000000000000000000000	1076250 ACRASH + COOCT + A COOCT + 1626250 ACRASH A COOCT + A COOC	2000	1 1836835	0 61649704	12581655	0.9131152	1.2915261	1.5077884 0.98400456	.98400456
Liver falty acid binding protein	0.81040937	0.9326622	0.5694437	0.380/308	0.4830373	0.1234234 0.0122330	4 4572400	4 3/6/40 A 05663667	A 055F36F7		16956377	1.5136446	1,309094	1,3076329
Alpha-1 microglobulin/billunin precursor (Arrbp)	0.87085795	1.106717			0./8145/30	0.3306778	1.1000130	20140140	0.0000000000000000000000000000000000000	0.7359077	0 8482971	0.7861935	0.7187461	0.9423359
Phase-1 RCT-294	1,0994077	0.7412797		1.5409207	1.3209436		0.332002	0.0219100	2520033 0.02 10100 0.337 102 1 0007358 0.88805515 0.92705107	1 080735B	0.88805515		0.9505301	0.9177624
Phace-1 RCT-151	1.1442689	1.1442689 0.78917874	0.7926677	13204733		1.080006	200	2000000	4 00 40 50	4 0040000 4 0007704 0 7307653	0.7397653	ᆫ		0.98789485
Obere 1 DCT-159	0.9753935	1,0078905	1.0078905 1.1210331	1.787959	1,1264751	1,1669915	1.083151	0.888490	1.0340303	1.0201.5	4.00000	1	4 0020034	4 0833702
Charles and the control of the contr	0.897544	1.0223651	0.8370827 0.6434123 0.8528887 0.79791164	0.6434123	0.8528887	0.79791164	0.8453091	0.7318186	0.83/9125	0.89/9125 1.1/10042 1.05/055	1.03/10230		4 4254740	4 4005005
PRESET FOLIAGE	AFORCAOA	1 0197859	1 0197859 0 93877757 0 85527706	0.85527706	1215426	1.215426 1.1188695 0.87043047	0.87043047	0.811059	0.8658027	0.8658027 0.9451789 0.8605719	D Section 3	0.3230133	1001	1.100000
Phase-1 RCI-235	0,004	200000	1 2001507	4 2004507 0 77425075		1 2104000 1 2393553	1.0856267	0.9606844	1.1790231	0.5252842 0.62992877	0.62392877	0.4745768		00033300
Organic anion transporter 3	0.8915945	20707	- 6	20000		1 0334468 1 7775359 1 1864791	1 1864791	1 1477245	1.1472094	1,1123015	1.3156707	1.1344688	1282249	12768875
Matrix metalloproteinase-1	1,8189/72	1.050431	1	20000000	22301400	1.302.0 A 6276.494 A 37304.444 A 64907020 A 621002	0.0360972	12/39/17	12139117 0 75880677	1.0961815	0.8130334	1,281949	1.281949 0.75162023	0,7101957
Urtnary protein 2 precursor	0.49498805	0.8363934	- [0.25302842	0.441103/3	0.40063703	0.0007195	0 8014727	0 8014727 0 90899324	0.9486299		0.8484052	1,0486726	0.94062513
Phase-1 RCT-212	0.81632143	0.8073475	- 1	0.9550391 0.96203663 0.9316597	7801087	0.0105021	2000	1						
(1) Gene expression data for 6 hour timepoint are										-			_	
presented as mean ratio of treatment/control for all 6														
hour predictive genes (Table 18).														
(2) Compound and dose abbreviations as in Table 1.														
(2) Individual polimal mumber												1		T
(A) they inflammation classification for compound-														_
does orm at 72 h: ves-necr. necrosis observed; yes-														_
both, necrosts with inflammation observed, no, no														
histopathology observed														
(5) Predictive gene (as in Table 18 and as Included in														٦
Table 26)														

Catalogo P. Carlo fee C. Date Tennanie (4)								-						
П	П	П	П	П	П	1	900 1411	06 ZOL	STD7 20	STR7 20	STRZ 75	STRZ 75	STRZ 75	TAM 50
Compound-Dose (2)			OUR ZS	CONSTR	100 NO	2562	2552		1777	23	3	732	1733	1441
Animal Number (3)	83	1907				00		2	0	-	10	0	2	
Liver Toxicity Inflammation Classification (4)	0	2												4 7045440
Leane Manne (3)	1,035789	1,1078073	0.98794806	1.5970607	0.9672246	0.88195	0.739169	1.0312065	1.1805946	1.1066333	0.9161218	104524.57	7022220	4 0012703
Condition	1.2740602	0.8956992	0.92892224	1.1091291	0.95158386	1.0174003	0.8959367	0.9536188	1,0737689	1.1788430	0.9160668	0.9304107	0.757776	1 2086236
Simo	0.7143131	1.0717872	0.94105285	1.4565594	1.113026	1.1461422	1.7793367	0.7935607	0.84426904	1.0434324	1 2405987	4 2636437	1 1432594	1.2778863
MPK	0.9946709	1.2242166	1,065608	1.1189375	1.0729123	1,1398034	0.9694779	1.2701025	14523062	1 2590424	1,658361	1.1062938	1.1572012	1,71085924
Cathepsin L, sequence 2	2.138561	1.0157638	1.0313617	1.8769704	1.0920159	1.07.109Ud	0 70/2051	1 2309857	0.8334703	1,0285056	0.8998796	1.1155692	1.1191038	1.4631745
Heme oxygenase	1.0967287	0.9515382	181/180	3.0123534	1 0743004	1 1132208	1 1474179	0 9519684	1.15137	1.0343615	1,5914884	1.1699181	1.0075294	1.0446274
Phase-1 RCT-109	1.3384665	0.9/2/1	1,0947076	1.2004.003	1.07 13001	4 050134	7500070	1 1507054	12229003	1.1020347	12849172	1.4413091	1.2288225	1 2297405
Phase-1 RCT-111	1.1627282	1.01567	1.1315/69	1.200.00	1.050404	4 632206	9 0624561	1 4507362	1 6505521	1.6711084	4.266252	1.8461033	1,825206	0.99493927
Argininosuccinate lyase	12507344	1.4631919	1.413/486	22581432	1./94231	0002200	0 9305811	1 0530825	1.1860085	0.95652366	1.1317682	0.96855164	1.0236595	0.929463
DNA polymerase beta	1.0318241	0.82611924	4 4204202	1 24444	4 0382674	0.5556826	0.960251	0.776601	0.6599292	1,2280446	1.3036512	1.4421829	1.1370342	1.2106851
Phase-1 RCT-103	12017128	0.8678396	1.1381233	1.211443	1 2442786	1 1548791	1 1212606	10114766	1,0295889	0.9353081	1.0340133	0.78962785	0.78899865	3,95456266
Ribosomal protein 59	1.155/38/	1.1359147	1, 1010342	4 2077088	1 2050838	1 091964	10348521	1,1798878	1.1257246	1,0901515	0.9943545	1.1263668	0.929271	1.1092278
Phase-1 RCI-114	4 10 1 7004	1 1079892	1 0837233	1.6120588	1,0929176	1.0746158	1.1567411		1.2449303	1.5794407	1,5696763		1,5605807	0.9679531
Phase-1 RCI-15	1 0450137	0.9289722	0.88205427	1.5718418	0.85713583	0.9831936	1,1350106	1.0051125	0.97218484	1.6220434	0.9330153	0.8148239	0.88732237	2.22/2.160
Macropriage milatimatory processes agreements and the secreted NGF-inducible anti-profiterative putative secreted								, 0005400	1010101	1 2026946	4 3556833	1 0795976	0.9261039	0.76774263
protein (PC3)	0.80458915	0.8378341		0.75382537	0.7000711	0.8852/550	4 2004026	1,0023100	1 6435440	1 R19744R	1.8802728	1.6539108	1,3612752	1,082834
Phase-1 RCT-191	1.0881647	1,2766439	0.99131393	1.1561208	1.63116.26	1.4030000	1.2651350	1.0 lo 1330	0.8505122	0.86027205	0.7587526	0.7030784	0.8790172	1,8153679
Phase-1 RCT-63	1.0055707	1.2866888	1.11081/3	2.202030	1.401/312	14435861	4 0001729	1 0362784	0.9710311	1.0182867	1,1522247	1.0996577	1.037584	1.9194723
Cyclin D3	1.1438824	0.63072	0.9049843	2.0123144	1.1034114	4 AOOOGR	0 9734547	1 1271764	1.1241226	1.0922858	1.4321948	1.1311815	1.0227315	1,1329834
Phase-1 RCT-108	1.1759479	1.09/0552	1.1/1194	0.789747.04	0 191010	1.030300	7A100000	10158199	0.97241086	0.899177	1.092727	0.90206033	0.3322193	1,0803815
Phase-1 RCT-56	0.9166893	0.5/548130	0.3303303	0.937.0467	1 0155201	0 93224883	0.9690519	1,0969353	1.1877673	0.96120447	1.4244707	1.2916162	1.1408894	0.8608563
Phase-1 RCT-192	1.3502429	4 4734133	4 0474372	1 9605625	1 3797202	12384981	1.1150541	1,3240062	1.2158002	1.231854	2.237656	1.1456001	1,0589111	0.9709264
Phase-1 RCT-75	1.1250304	0.0765118	0.8534338	1 1679797	0 99217397	1,0005964	0.9210061	1.0434241	0.84304357	0.80305797	0.8433398	0.9405202	1.0811574	0.89931387
Acetyl-CoA carboxylase	1 1656085	0 9385432	1 0953343	1.1899908	0.9653256	0.93640864	0.9651411	1.1532685	1,2600454	1.1182692	1,2368667	1.3815666	1.1181101	1.1523914
Phase-1 RCI-85	1.1684146	0.73383695	0.68361455	0.85556185	0.84568805	0.7129506	0.7628572	1.2797401	1.0504534	1.2872291	1.1134135	0.9818301	1.1388483	1.00/6331
Phase 1 RCT 49	1.1782912	1,007575	1.0354268	1.6194397	1.1451591	1.2206876	1.2807841	0.8391582		1.1358856	4.306.7878	4 4530707	1 1621069	0 83531225
Phase-1 RCT-9	1.408997	1,0776489	0.994939	1.1762238	1237446	0.9987113	1.3924216	1.0340302	1.0012814	4 2017458	0.804.88515	0 7681378	0.9217603	1.8175162
Gadd45	1.0792844	0.93687004	1.2487764	2,2416198	1.4244715	1.3627323	1.2821852	4 4200000	1 2045361	1 1222339	1 2317586	1.3948302	1.133048	1.1475844
Phase-1 RCT-156	1,173178	0,9082421	1.091488	1.1928139	0.8703527	0.84563/5	1,093377	1.120222	4 4042435	1 2128862	13781714	1.1747836	1.0751332	0.8908144
Coffin	1.0227389	1.035620	1.1302341	1.0686852	1.1610404	0.000000	1.1000	0.9420408	0 97295563	1.0349848	1.503478	1.0240353	0.91627127	1.0824763
Phase-1 RCT-127	1.011674	1.0669646	4 042505	1.506283	4 0074263	1 1763887	1 0912257	1.0375134	0.85374904	1.021516	0.7008354	0.6948373	0.77325463	1.0142543
Macrophage inflammatory protein-1 alpha	0.707767	201100	4 000000	4.057740	4 4470853	1 1203113	1.0748428	0.9613103	0.84007853	1.4572549	0.81371444	0.85844153	0.8962095	1.0151678
Zinc finger protein	0.9131003	1 0201018	0 96508384	0.6457626	0.9801879	1,0076854	0.96693736	1.0728621	1.0187111	1.0207121	0.8857792	1.1207213	0.95804083	0.96723604
Mase-1 RCI-73	1 1165926	0.85360496	0.90526706	0.85485834	0.9265546	0.79976565	1.9257684	1.0959939	1.4409302	1,3269619	1.1463455	1.3835598	1.49/25/8	0.917.9347
Giutamine Syntherase	0 98075974	0.8018778	0.85552824	1.045143	0.861671	1.2936996	0.9341326	0.8494085	0.757324	0.8801477	0.7279925	1.2847617	1.2831083	250101.6
Descend DCT 242	1.0424666	1.0685512	0.9257383	1.5785475	1.1038216	1.0927283	1.0863065	0.89561015	0.747821	1,3343729	1,5025367	197111760	0.730303	4 0554 974
Phase-1 RCT-50	1.1310492	1.0636328	1.0069976	12742422	1.1717432	1,0444403	1.0493222	1.0014558	0.84219915	1,548/115	4 248000	1 600456	1 1995648	0 8827937
Elongation factor-1 stoha	1.1718713	0.6694363	0.896957	1.1260277	0.7227552	0.83989966	0.8872455	1.1026/89	1.2463230	0 9294103	1.0556656	0.81907254	0.89030534	1.3158003
Integrin beta f	1.1250079	1.08535	1.068755	1,8026065	1.07/4226	1,0116163	1 0542627	4 F400121	1 4857432	1 627962	1.416824	1.4369096	1.4995974	1,1486831
Insulin-like growth factor binding protein 5	0.912191	0.8575997	1,0152/1	1.463903	1,094,7870	4 0348437	4 1 109334	1 0723098	0.8672726	1,5311468	3.6316793	0.8235968	0.7034488	0.9753933
Phase-1 RCT-59	1.054/501	1,064,7	1,00700.1	4 404 3363	4 0862036	0.0777694	1 0554135	0.9600736	1.1244009	1.1938875	1.5188541	1.0285294	0.84012777	1.1942365
Phase-1 RCT-76	1.080169	1.041763	0.04020	0 75630355	0.8323475	0.7851379	0 8347074	1.0425884	1,4046493	0.95485616	1,3895175	1.1566914	1,2770388	0.7162639
Fertlin H-chain	1.080697	0.91390	0.776296	0.5116735	0.80258596	0.7679349	0.83788925	1.157817	1,0409986	1.1249295	12157787	1.4229962	1.4615169	1.159901
Selenoprotein P	0.89221408	2266660	1,110324	0.430798	1.0890026	1.1157984	1,0312083	0.9292403	0.85084217	1.0068357	1.0810395	1.0180097	0.982/155/	1,1858/69
Dhana 1 DCT 214	0.9156987	1,136383	1.036423	0.671721	0.9653657	1.0425285	1.0555546	1.2341691	0.89723533	1.0452962	4	0700000	0.9103101	1 0005141
Phase-1 RCT-112	0.7977240	0.9724774	0.8592918	1,053995	0.84031105	0.8970486	0.9459888	0.8170147	0.6788755	0.8144203	0.5955014	0.7000240	0.82625043	0.8203632
Trymidylate synthase	0,77456170	3 0.891949	5 1.0591630	0.877337	0.9519038	1.1447592	1.040263	0.9603848	1,0063455	4 6250747	1 030039110		1.3429043	0.84513617
Phase-1 RCT-13	1.017747	0.6757443	0.4644080	1.002337	0.6016421	0.63302493	1 9077387	1,5401,632	0 9386222	1.0385602	0.8845083	0.989705	1.1036022	0.83017755
Nucleosome assembly protein	1.408407	0.9026748	25121.1	4 075029	4 9380787	1 0966481	1 0650349	0 7443296	0.8700164	0.81014854	0.9178508	0.88938695	0.7751555	1.2687346
Cholesterol 7-alpha-hydroxytase (P450 VII)	0.767/417	71.053808	0 986300	1 073534	0.9110027	1.096688	1.0271381	0.7704732	0.6820128	0.63514453	0.6225396	0.6051663	0.7213141	0.9130758
Vesicular monoamine transporter (vinkl.)	0.001213	0.89563	10.83634	0.783247	3 0.8638556	0.8583127	0.8685636	0.849655	0.7447878	0.8537071	0.6270633	0.75009084	0.8211/945	1,055308
Phase-1 MCI-200									l					

													O localization	24000000
	4 0548155	1 3383801	0.9282183	0.988223	0.9329064	1,3367351	.3092543 C	8531319 0	78826853	131594	1.2810142	12300307	0.8334374	69944514
Prinse-1 RC 1-32	1.0196694	1.3155174	1.2003235	1.3862594	1.3057464	1.3708462	3074478	.8364167	0.9433873	0.9626002	1.051 1001 0 1777000 A	76430883	0.8743201	.0137247
R-coordination DNA civosylase	0.9317675	1.0348185	1,0606564	1.9593476	1.0424011	1.1352638	133/31/	0000000	0.0578578	97396743	0.9457137	0.8598458 0	.91271466	9682602
Phase-1 RCT-82	0.9305265	1.0115731	0.9664413	0.8763434	0.9581664 0	93807744	847740E	2520007	1 5988876	1 3074887	1.2744529	1,728541	2,1021902	2240329
Marth F/G	0.82606846	1.2470636	1.0033809	0.46785188	1.3522030	0.8409087	1,017,100	45370EE	1 1013216	1 0951544	1.3938116	1,2393676	1.1604762 0	62881796
Phase-1 RCT-184	1.1560622	0.9647128	0.94823813	0.77889385	1.1002333	0.83404894	A REC4734	0231972	1,0624039	0.97632945	0.7699958	1.101075	1.1696348 0	85391116
Phase-1 RCT-168	1.4046267	0.8186531	0.8805174	0.0597554	00517584 C	829844	0.9379306 0.	0.67581123	0.5912408	0.8081309	0.6781581	1.124735	2.5603782	2905766
Phase-1 RCT-119	0.69338113	1.0210013	0.330230	AFC07000	0 94 14553	0.9982884		90474015	0.8844209	0.825146	1.2065985	0.8254758	1.0105854	120/00
Carbonic anhydrase II	0.62443750	0.83003003	180993	0.84677416	1,0015317	1.0524276 0	0.89650833	0378832 0	.99645543	1.028839	1,0020759	1.0855097	1.1373448	0760051
Tryptophan hydroxytase	0 9400395	0.88773364	0.8090476	0,98250395	1.0523517	95104504	1,035148	1.1118972	1.1302744	1.2786307	0.3923076	1,000,002	1 0791081	9745325
Phase-1 KCI-/1	1 3420126	1.0085516	1,1871773	1.8282133	1.076124	1,3230917	1.1721107	1.0385113	1.075454	1412017	2231223	1 0638947	1 02087	0.8813285
Prisse-1 Reverse	0.9530185	1.0479895	0.97899944	0.9154271	0.91024613 0.92586	.92586505	0.9834871	1.101/041	0.7404723	0.000000	3 4277452	1 0708675	0 8985648	1.0309031
1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	0.92208135	1,1365346	1.1388465	2.2109659	1.2883872	1.136509	1.2409686	1293254	0.55485105	4 2017/00	1 8477887	1 1471612	83606565	1,0359
Present PCT-144	1,2203614	1,0003207	1.071875	1.529523	1.1527525	1.3151917	1259122	0.8401791	4 0240400	1 6043146	1 5733751	1.0460331	0.88664055	0.9475759
Phase-1 RCT-225	0.52469873	0.8234596	0.8645654	1.3236755	0.6038162	0.8950652	90805690	20000020	0.73337733	0.8871397	70875204	0.68526095	0,6611009	.57185944
Coochama P450 2E1	1.0658755	0.9380593	1,0358602	2366	1.105311	1.090721	7,0581038		1 1216064	1 153467	1,8172499	1,3095882	1.1098682	1,0097964
10-1	0.9311806	1.0331286	1.082014	38368	0.96602154	1.0264213	1.0321097	0 0776774R	0 9818854	0.91739434	1,1061931	1.0020434	1.1464458	1.0211014
Thioredoxin-1 (Tix1)	1.1133468	0.9269302	0.82483876	0.9475/7/	0.9083809	0.0447.232	0.3076053	0 9823853 (75809234	0.7746936	0.667691	1.200777	1.2550609 (92234266
Carbonic anhydrase III	0.32292527	0.86678123	123965	0.23866385	1 4377744	1 2448539	1 078993	1 1280073	1.1508701	1.287215	1,0415905	1.136011	1.0491428	1,017625
Phase-1 RCT-140	1.0428855	1.1534083	1.1U54809	0 9591718	0 9483587	0.99408174	0.8204458	0.7806884	0.8251721	0.6615826	0.52902156	1.0270892	0.8907274	1,0717396
Complement component C3	2000	0.5440670	0 7001465	0.46949252	0.7633718	0.32219893	0.2473983	0.6508862	1.0789497	0.9115734	0.5019409	0.8870753	1,0028388	9200040
Gtucokinase	0.05433784	1 0450397	1 1069834	0.9221138	1,2895172	1.068032	1.0780933 0	0,86152947	0.83440447	0.97153413	0.82851243	1,0017403	1.031813	1 2002752
Phase-1 RCT-173	0.8769593	0.99862117	1.1197342	1,3098556	1.0075378	1.0030255	1.1222588	0.9287377	0.8469416	0,895827	0.76830876	1,700070	4 5451444	0 9999176
3-methyladenine DNA glycosylase	1 1675475	1.0787268	1.0505832	0.8942874	4 0.92307305	0.9422285	,95495427	1.2000835	12785238	1.2402827	1.049/0/9	1./003/8	1 2965161	0.8948373
Peroxecute multiplicational encyting type !!	0.84561366	0.9116669	0.78920573	0.49994138	0.8213936	0.7035756 C	56761724	1 2832835	0.9140352	0.5014493	0.12304437	0.9577337	1,104355	88054264
Seperance marker protein-30	0.45774794	0.811003	1.0388726	0.39987862	0.6833155	0.86310585	4 4047203	1.0503516	1 448197	2.3561683	2,9436966	0.8907791	1.1202722	1.0352434
Cyclin G	2.0401466	1.0510112	1.0155321	1,515248	1.0035025	1.1046528	1.1042333	1 1817913	1.0874984	1.0837638	0.96052396	1,130692	0.99830955	.91058445
Melanoma-associated antigen ME491	1.0544521	0.98391473	0.9234387	1,131/801	1.021/030	1 0644106	1 086236	1.0273594	0,9004043	0.9737672	0.94074565	1.016234	0.9281614	0.9782604
Phase-1 RCT-28	1.0809182	1.0810922	1.0406065	0.7269309	1.025147	12775453	1.1314534	0.9924032	0.9539074	1.1304243	1,2213633	1.1044062	1.0047426	0.9526151
Emerlin	1.0989051	0.8079108	1 0202895	0.7806638	0.4295482	1.2084253	3,91416276	0.7677143	12935452	1 2226571	0.52971643	0.8880162	4 2874227	101016364
Alcohol dehydrogenase 1	0.54844785	0.8031972	1.0344145	0.55442667	0,74091965	0.6971939	0.7673368	1,0957198	1.196071	1.0580199	1 2022082	0.00300300	1 297838	95053566
Nem cell ration	0.82228845	0.7486894	0.8961157	0.7214771	0.91588056	0.6360748	1.1486541	7.2965455	1.1318030	0.0542247	0 7004R785	0.65456215	0.75304294	1.0581447
Dryein tymeine mosninalese alpha	0.8176628	0.8562837	0.85003716	0.93673956	0.874205	0.80498725	0.80954176	0.82429004	0.05113124	0.0024072	0.713701	0.81431305	0.87485548	3,78726155
Phase-1 RCT-55	0.9518844	1,0677035	0.92352265	1.8458018	1.3593582	1.1758628	1.020411/	0 938791	0.8755921	0.9556578	1,0303826	0.8045185	0.8296448	1,0137633
Ubiquilla conlugating enzyme (RAD 6 hornologue)	1.1625859	0.99003094	1.095867	1,455/115	1.0004107	4 0130855	93829095	1.0344342	1.0377209	0.9506957	0.9657524	1,3195816	1.1731496	1.137121
DNA topolsomerase I	0.8817445	0.76565176	1 038404	0.0400704	0.9583741	1.1255198	1,1483499	1.0559148	0.90638706	1.171397	0.8746454	0.82429105	0.9050973	0.9328898
Phase-1 RCT-280	4.062504	1,06/334/	1 1039717	3.784806	1 2279646	1.1624582	1.0292767	1,2160558	1,2905015	1,3027042	12103195	1 2329135	1.4635897	0.0970038
Superoxide dismutase Mn	1.12632	1.276248	1.1943134	0.87101716	1.24872	0.94328815	0.8042755	1.5540262	1.293969	12116205	1,9491514	4 3532592	1 1666738	1.564405
Codomy procepted southerse 1	0.67968124	1.3469228	1.0040604	0.9164806	1.3526893	1.3515885	0.9992625	0.62631094	4 4754503	4 054432	1 2807293	0.9634257	1.1199038	0.9808692
Chandolward Idrasa 28ta	0.9878521	1.0973259	1.1501167	2.1290102	1.1359074	12299732	1.1925472	1.055/524	0 79 38414	0 8338882	0.61507497	0.94500905	0.9983643	1,3269734
Prase-1 RCT-141	1.118483	0.96825373	0.94468457	2.9338984	1.2411453	1.8271202	1,0333004	1 4088997	0.9558833	12764328	1.3789151	1.1966808	0.96464	1,0300121
14-3-3 zeta	0.96587974	1.1426383	1.1011963	4 0054796	4 675680	1 2815096	1 0375814	1,169115	1.1818664	0.97760326	1.0745074	1,2254257	1.132009	0.7464627
Gamma-actin, cytoplasmic	1.1310882	1.0/3411	4 4 182207	1 2794975	1 1625522	1.141447	1.1276727	0.9722093	1.2723142	1.2403827	1,82943	1.1495602	12551616	1.0172838
Ribosomai profein L13A	1 1488672	0.8425223	0.97856194	1.254904	0.81879294	0.93666387	0.8368916	1.0098853	1 2821677	1.0180681	2.253Z38Z	1 4511452	1.1020303	1.164027
Divisor 1 DCT 85	0.8874497	1.0984735	1,0161941	0.7962401	1.1160252	1.0325493	0.90425944	1 840235	1,39016	7 1070714	1 190G374	1.4642601	1.8177665	1,288165
Cha	0.7570067	0.9860422	0.9228222	1.2308091	1.1535759	1.0465816	122/5/63	2 5969313	1 5087525	1 6781765	1,4246353	1.8511719	1,7373319	0.9943922
Protein O-mannosythansferase 1 (Pomt1)	0.9226086	0.9547042	0.8843122	0.9255285	4 2684873	1 1595472	0.9266855	1.2623458	0,8731924	0.92105573	0.8575951	0.7912492	0.8230912	1,0841686
HMG CoA reductase	0.95228163	1.1611522	1 1864319	0.9564905	1.1451154	0.94481623	0,78880054	1,5220735	1,45159	1,5533548	1.4386769	1.7232376	1.1794515	1.2206153
Phase-1 RCT-12	inconco'i	200									A0047000	0.04045085	0 9265053	1.0711445
Intereson related developmental regulator a 100 (0.87228435	1,031074	0.9722404	1.1770204	1.024626	1.0792588	0.9845691	0.7433153	0.862/251	0.73397.200	0.44181442	1.1004431	0.68967247	1,2264239
Glucose-regulated protein 78	1.2970307	0.86173946	1,0244125	1.1368426	1,3746985	1.2818305	0.8303331	0.00/ 344/ 0	0.8510614	0.97390383	0.78335904	1.159502	0.74611914	1.2947807
3-beta-hydraxysteroid dehydrogenase (HSD381)	12740374	0.99140775	1.101816	1 478977	0.02/200	0.09142/10	0.94719476	1,0356376	1.2187108	1.0561849	12821721	0.9734382	1.0541339	1.1723139
Caspase 6	1 2042724	0.9021746	1,031/804	0.047305	0.91.020	0.00001000	0.9764186	1.0509863	0.88308334	0.90733135	0.6237474	0.67290115	0.7920311	1.1518811
Phase-1 RCT-169	0.8084910	0.8955909	0.9750854	1,3339886	0.8430979	0.91439676	1.0166352	1,4878883	1.2378111	1,5079869	2,6526888	1.0287683	1,0929102	1.0487497 0.8790201
Phase-1 RCI-19/	125028	1.0768846	1.0713792	0.68722494	0.91713923	0.8265589	0.86097175	1.3573017	1.1473901	0.946/121	1.196397.	1,202,1	7.170	Division -
Present RCI-34														

					7072400	0 10077730	074447001	00400504	10007030	0.0814248	80416426	0 75668461 (85603005	1.0658915
Phase-1 RCT-72	92927235	1.0119543	0.98299044	1 4457989	1.0545181	1 0488223	1.1726881	1.1208653	1.2165269	1.1340832	1.2497878	3.72783494	1.1058248	84674287
Muvate knase, muscre	1 0046732	1 0057068	1 0457127	0.6305887	0.9620561	1.0253478 0	.94382536	0,8623713	0.89104944	1.1175363	0.8651078	1,0905094	1.1242881	0.8516346
1 1 2 1 2 1 2 2 2 2 2 2 2 2 2 2 2 2 2 2	39277300	1 016956	0 90319073	0 9891374 0	91686344	0.9185254	0.9403387	0.8964037	0.84645796	0.9085519	0.8683392	0.8371178	0.95724	1.1725662
CASSET RCI-50	1 6794191	1 0716373	0.94748956	0.48411363	0.9696711	1,5070477	0.8912646	1.0088619	1.1206704	1,232599	0.9579666	1.0622462	0.9262056	0.5684387
Cytochrone P430 AC33 (akthriste duric A)	C1607405	2 255794	1 6978911	2 32637B	2 196432	3.266461	5.138559	0.2758396	1.1057882	1.0240088 0.96	96849763 0	3.89253306	1.0745918	1.2342464
PRINCE RCI-230	4 224696	1 4084425	1 1979393	1 2615714	1.4102976	1.205662	1.1800864	1.1940931	0.97999406	1.0702686	1.002086	1.2069194	1.0458157	1.1601689
Phase-1 KCI-201	0.8641221	1039828	1 0451498	0 7355935	0 9590893	1.0953968	1.1694721	0.9901275	×	1.1683882	1.1925546 0	760516087	0.99363305 (.91018456
Contraction DARO 4A2	0 9774121	0.8589337	0.90396607	0.91785085	84227496	0.9354876	1.2031405 (0.91965234	0.92737573	0.9617114	1,222364	0.8702522	0.8007569	89559454
Dhase-1 RCT-297	1,7173177	1.092646	28013	1.1603173	0.8425838 0	.98821074	1.1352316	1,3799086	1,0873696	0.9284645	0.7853326	0.7245847	1.0622293	0.7130551
Mmoamine ordese B	0.7843498	0.75754684	0.91444564	0.69857407	0.83049834	0.6400976	315	0.76114285	1.1643373	0.97564125	1.1233/9	1.03933454	1.13040/1	0.8003303
Phase-1 RCT-264	0.9403853	0.9259703	0.9748276		0.72155225	1.0358169 0	0.90172684	1.2704468	12929587	1,195036	1.1800140	770000	0.027000	2000000
Permisome profiferator activated receptor garrana	0.64152706	2,198169	0.9721372	0.91155136 (5478395		1,0050257	387516457	0.875436	1.0241729	0.5/34084	4 0224463	1 1605RGE	0.0411697
Phase-1 RCT-143	1,0389786	0.83497334	0.86553218	0.8322097	0.8365128	0.8498136 0	0.82707834	1.060856	1.0437583	20 STORES	1,003532	1.0221143	1.1003030	0.0410366
Phase-1 RCT-251	1.1660867	1.1719236	1,0306001	0.6420077	1.0958287	1.1404754	1.0898099	1.0158491	1.1145614	1.132234	1200230	0.302010	4 0624302	1 0596747
Phase-1 RCT-117	0.9524612	1.1603262	0.58811057	0.7777495	1.2406221	0.83008866	1.0394529	0.8626388	0.8681822	0.90/322/	1,89611707	0.9019030	00042600	7808248
Chathone Stransferase theta-1	0.85733163	1,0416765	1.1108713	0.9557921	1.0039743	1.0736165	.84886694	0.9918514	0.69304174	0.97136	0.6774266	0.97520534	03042003	0.7000340
Physical RCT-91	1.0369154	1,0569121	1.2038621	0.98011523	0.927629	0.9208775	0.9893393	0.7881652	0.8666058	0.9237555	1.1922972	0.8545587	0.8436396	0.9330501
Phase-1 RCT-148	1.2537675	0.9522951	1.0250998	0.6144655	0.8813789	0.7633186	0.8761912	1.1032384	1.2128/48	1.1246507	1.2013307	1.140/001	1,22/320	0000000
Phase-1 RCT-142	1.0857098	1.0352861	1.1254553	0.86656535	1.0647882	-	1.0742959	0.80471694	0.84033165	0302/88	12404/30	0.3077423	2000000	4 0275253
Activity recentor type II	1.142334	1,0900966	1.1443226	1.1124748	1.1653955	1.130717	1.1440543	0.9569398	0.86805075	0.9609767	0.70914996	0.8114947	4047070	1,037,3303
Glydne methyltransferase	0.91371286	0.96052414	0.89020735	0.68709767	0.9497055	0.5583309	1.4675657	0.94701636	0.8021922	1.1499205	1.513217	1.0350643	1,401/6/9	0.0130023
Phase-1 RCT-281	1.4339957	1.1618968	1.0135316	0.6983939	0.963736	1.516952	-		1.0465534	1.0008286	12042112	0.9/91/03	0.02032430	1 0071502
Ciliary neurotrophic factor	0.98203814	0.9579517	0.8826804	1.1456398	1.0871693	1.0074525	0.94691646	0.80248415	07.4240300	0.9140003	1041 10504	0.000000	1	1000
Gap junction membrane channel protein beta 1 (GID1)			3003607	0 0000010	4 7736377	1 3706557	4 4312643	4 R97R754	1 9328864	1.4807022	1.5962124	1.8704937	1.7270193	1.0298723
	1.0237558	1.4510803	0.000,000	4 4775444	4 4004174	4 4446345	4 1544972	1 024008	0.8969261	1.0514913	1.1397885	0.9399104	0.8619162	1.1421598
Phase-1 RCT-96	1.12236/	1,0506853	0.5049092	1.17/3441	1.10041/4	0 0447044	27040743	4 0508764	1 0029128	0.9802625	0.9326011	12809837	1,2091691	J.B8094115
Phase-1 RCT-287	1.1058201.1	0.615/6520	0.32 30/00	0.82504007	BR485155	0.561939	778877	0.8989785	1.0455507	0,9688885	0.9215263	1.2199317	1.1627548	0.7825105
Refinal-binding protein (KBP)	4 2005204	0.7630653	0.27556.0	0 001205	1 K314347B	0.845776	0.9444659	0.9343598	1.0565709	1.1322725	0.9695879	1.194716	1.1301574	78113735
Very lang-chain acyl-CoA synthetise	0.00046575	9050000	1 0456806	0.8816634	0.9030461	1,1184103	1,0000391	1.6816518	1.7951554	1.2001259	1.9621656	1.2705435	1,5790282	1.0246174
Syndecan-1	4 005 4053	4 4059365	1 0001622	1 0071902	0.9897806	1,0288283	1.0447385	1,0436505	0.9926343	1.0046877	0.98453337	_	0.94181314	1.0134907
Description 4 Description	1 0R25794	1 07503	1,137004	1,5798185	1,1950365	1.3569244	1.3233769	0.8879787	0.8810853	1.0274762	1,527234	0.94664305	0.7575509	1.050541
AVE	0.8354363	0.9774951	1.1150597	1,3873053	1.1699996	0.8881709	1.0841898	0.7451446	0.9172578	0.9004209	1,0043981	0.9362354	0.97/68/2	1.00/3688
Phase 1 RCT.89	0.8563437	0.90305275	0.8275154	0.48643053	0.86835235	0.6665636	0.70742106	1.0969158	1.0453103	1.024605	0.85342836	1.127846	1.3244138	4 4 4 4 4 6 6 4 6
Sarcodesmic reficulum caldum ATPase	0,6593589	0.8214938	0.8958171	1.0185363	0.7674764	0.9952355	0.81747675	0.7976661	1.0155424	0.88991266	9146919	0.86328183	1 4806660	1 0770505
Alcha-2-macrodobulin, sequence 2	0.95240194	0.82527584	0.87525964	1.2112572	0.9450463	0.8576626	0.87170476	0.92966	0.94799167	1.0496235	1.7344834	4 4200200	1. 1000000 1. 100000	0.0677375
Phase-1 RCT-204	1,0334567	1.104904	1.0693333	1,0495748	12675121	1.1946778	1.241528	1.0332555	1.0999635	0.96232283	12000201	1.1203230	1 47 10084	1 0970305
Vasoular endothelial growth factor	0.9601922	1.0633589	0.98624706	0.96705467	1.119024	1.036042	0.86191283	1.3354220	1.3223577	1,044,0041	1,1136241	7710100	1	-
NADP-dependent isocitrate dehydrogenase, cytosolic	A POOR 140	4 0040000	* ***	0.6086400	35.0830Z0 0	0 93195057	0 80926275	0.90098015	0.87803525	0.956067	0.9328791	0.9244144	0.8056212	3.84157944
C	1.0367419	1 1187531	1 1366202				0.815015	1,2162123	1,0933567	0.9080527	1.791508	1.4152832	12472448	0.9274026
Chathers & transforms Va	0.719901	0.9650531	1.0960598	0.5196861	0.43691626	0.5375126	0.7627788	0.9779264	1.0122315	0.74421173	1,0378073	0.93197775	1.1103005	0.620074
County butmissa	1,0481632	1,1256438	1.8871501	0.7502615	0.959747	1.649643	1.8972048	0.60362758	1.1373205	0.9269257	0.69502753	0.87680745	0.8954813	3,68831706
Institutive county factor (0.8583465	1,0193394	0.9983351	0.9594552	0.9308215	1.0324275	75 0.76862437	1.0233635	1.3533118	0.70624465	0.8142207	1.2255876	1.1663478	1,0396280
Prostaglandin H synthase	1.3278697	1.0478034	0.9385111	2.1561894	1.166728	1.179606	1.1287988	1.2700387	1.003448	1.9559408	0.9036809	0.95/0000	1.2014Urz	A RESEDICE
Phase-1 RCT-136	1.0886426	1.056662	1.0352161	0.63846844	8	0.90601575	0.9297249	1.0880562	0.983/13/	10053004	0.7968797	0 90370905	10476336	0.8722444
Phase-1 RCT-137	0.8417305	0.901741	0.99562174	0.66032916	4 0743006	0.85938274	0.702/023		0.95895916	1 0568068	1.0834898	12104844	1,0100311	1.0055541
Phase-1 RCT-138	1.130000	1.1391934	1 0017392	0.7420559	0 91484237	1 0298688	0.7367815	122	0.75816464	1.1107413	0.88439345	0.8569213	0.7754658	0.915562
Hepauc Ipase	0.7033043	1 1067424	1 0919951	1 1803387	1 1450577	1.151006	1.0062108	0.9505151	0.91520864	1.0207323	0.92568797	0.8702608	0.86747736	1,0780914
Masseri KC1-104	1 1408224	0 9393812	1 0458981	0.8714026	0.8133832	0.97958314	1.0344044	0.8480521	1.1768702	0.8840393	1.0346397	1.1378025	1.3642242	0.8825339
Christinos Stransferasa Vol submit	0.8428107	0.94495404	0.8460225	0.6703312	0.8205783	0.59729564	0.6158308	1.249025	1.28868	0.9975088	1,355296	1.341076	1.8470395	0.8147816
Carbony reductase	1.0315633	0.99486727	1.0211456	1.1811439	0.9907524	1.1172575	1.0834132	-	0.88853455	1.0364177	0.8973885	0.65/9235	1 5630848	1,0201051
Phase-1 RCT-166	1.0151047	1,1452755	1.0685426	0.83874947	0.82780224	0.87846553	1.1145511	1,5665698	1.000003	1.4.309.344	A EZOODA	0 58846676	0.6055162	0.98801863
Apolipoprotein E	0.97822887	0.7874391	0.93594456	0.9776657	0.73409873	0.9741074	1.0059757	0.66661423	0.823/23/	0.0004912	0.370800	4 1055013	13610144	0.49387273
UDP-glucuronasyltransferase	1.3424404	0.4749154	0.97977585	0.5200435	0.44962728	0.63179284	0.35563262	1.2462391	4 2487799	0.32430020	0.8591335	1.0569386	0.9598508	0.97988474
Glutathione S-transferase P1	0.8663051	1.07628	1.1403731	0.7637772	0.8445987	1.0833381	0.95//836	1 30389556	1 1906022	0.9125379	0.4413818	1.4643055	1.1705647	1.1929325
Disulfide Isomerase related protein (ERp/2)	1.063128/	0.7280438	1 0552026	0.0041350	1 0615469	1 1452787	1.1807265	1.0510125	1,0127139	0.918924	0.95662457	1.3879591	1,226268	0.8584179
Moosonta protein L13	1 0499966	0.9601226	0.7980465	1.3343298	0.87534136	0.9135381	0.84929687	0.96424097	0.90256536	0.9781555	0.6692177	1.0157278	0.93048024	13128738
Total County County to the Charles (1814)	1 1289182	1 2123147	0.9353972	2.0776381	1.6195657	1,5733796	1,1622091	1.1198063	0.9263414	0.9548768	1.0772283	1.5149103	1.6189203	1,3441819
ווונפר בייויים ווייינים ויייים וויים ווייים ווייים ווייים ווייים ווייים ווייים ווייים ווייים ווייים ווייים ווייים ווייים ווייים ווייים וויים														

											1000000	10000000	0 0400444 0	OSSR0775
	1 4663597	0.95777655	1.0214881	1 2246025	1.0137228	1.0078111	1.064075 0	95478487	0.805857	0.9228373	0.8556509	4 4574548	0.0130114	R363089
Phase-1 RCI-3	0.9294057	1.2524529	1.2737092	1.083402	1.3896496 0	95607895	.6622778	1099533	1.1103049	300/3224	4 222264	1230002	1.4930909 0.	89220726
Petin Deta (retur)	1.3835535	0.9145042	0.8245482	0.71801156 0	89593995 0	72098875	7.425517	1.0343365	1.181341	0 6507200	TOOPERDE	1.112616	0,655797	8574335
Other Lands of the sections 2	0.9911626	0.88591266	0.8587354	0.7542559	1.4138757	0.6685381	0004045	0.77.1453	0.704 301	4 4750000	1 OCEBARS	1 340E474	1 4693002 0	99114805
Carbonic amyorase in sequence 2	1.081552	1,1311964	1,0811346	0.65352345	1.0446334	0.9127491 0.	98286116	1.0152235	72282307	1.1/33603	06737543	0 91443524	0.7254216	5734895
Phase-1 RCI-10	1 228619	0.8014371	0.701739	0.7125219	0.6723452 0	.55759287	1.3466151	0.6523113 0	000/01907	0 0000000	301 36.753 0C4E04E4	0.804872	0 8788291 0	95585426
Appra-2-managonum	0.84316677	1,0253592	1.0264208	1.4563957	1,10759	1.2143362	1.1629921	0.8907005	1,192/2435	DEAESAGA	7673679	0.7150117	0.7139488	.0920515
Cylianing Colon	0.8360915	1.0944355	0.9942944	0.9423274	1.0134115	0.9315282	D.B1Z1/7	1.1203974	75000000	B2331854 0	BUTABETS	1 2961622	1,0416931	1.2977449
Disco, 1 DCT, 952	0.7863026	1.0092534	1.1053092	1,5689702	1.3922738	0.8913679	2004532	0.0004/07	0 0321907	89839596	1.0411896	0.9959175	1.0053566	3059014
Phase 1 RCT-29	1.1813276	1.1509322	1.0317165	1.7830291	1,3734831	1.46/1552	0 0631305	1 0172904	0.9011984	96826514	1.0946817	1,0891614	1.1451287	2621464
Phase-1 RCT-278	1.036466	1,2274649	0.9952183	2.06/8842	1.180.01	4 097522	1 0066016	0.988573	1,0049137	1.0901443	1.2114311	1.1959426	0.8761248	,0091847
Phase-1 RCT-42	1.2023827	1.15/036/	1.1327030	1 0720648	1 001611	1 0335857	1,1376691 0	.95489794	0.96988225	0.9270421	1.0285759	0.8932505	0.9263936	1.0806588
Phase-1 RCT-25	0.86940813	0.89569394	0.5331/30	4 2520554	4 7242744	1 0325491	1,105011	71306986	7,7005947	0.5943717 0	.69426745	0.7225107 0	70189506	1,062308
Cytochrame P450 2C11	1.0935163	1.161/8/2	0.6504/200	10000001	0 7087381	0 7527668 0	74851185	1.1498463	1.1627275	1.0207412	1.1000757	12595373	1.4430233	0.9228757
Phase-1 RCT-202	1 0355985	0.8369159	0.500,523	0.12000304	0.000000	0 9093532 0	0 79290396	1.0489924	1.0127781	3.92089295 0	,98515266	12215081	1.3847284	1032084
Complement factor I (CFI)	1,5255425	0.96620214	0.92488700	1 3050143	1 044 9874	1 047991	B2754	0.85785073	0.8890767	0.9662833	1.0041722	0.8418013	0.7328724	1.0263379
Proliferating cell nuclear antigen gene	0.8539039	1.02/9/9/	4 4204000	4 2537053	1 348173	13015845	1.220127	1.0323893	0.8574825	1.2900977	0.7988586	0.7648174 0	76430136	1.1931349
Activating transcription factor 3	1,000	0.05400447	77895667	1 5041813	1 0835233	1.0837781	1.049512	0.8960605	0.8808481	0.88680874 0	97237295	0.90022/84	1.80144/05	0.30304
Focal adhesion kinase (pp125FAK)	1,02501	3700200	4 030438	0 7447E27	0 98352736	83222363	0.9290679	0.88050663	0.8883271	0.9851575	0.9803476	1.0281278	38/42/6/0	0200000
Phase-1 RCT-289	0.83959115	1.037.2013	OCI CONT	O R646418	13281765	0.86649126	0.9170876	32708147	0.8338955	1,0039728	1.1884291	0.95325077	19935347	0.5030003
Phase-1 RCT-259	4 4973384	10171851	1 0931163	1,6909759	1,1853861	1,0078838	1.096173	1.1183586	12228448	1,0449297	0.9889963	2000000	1,302,307	4 401444
Pon-responsive element-binding protein	1 04/8/44	1 1050838	0 94419193	1,199634	1,4748625	1,2825601	1.1630158	2.5953853	1.7178133	1,88465659	2.0844/90	2004 1313	0 8843303	ON815734
MHC class I antigen RT1.A1(f) alpha-chain	0 7053380	0.753395	0.8784763	0.76909137	0.8507726	0.6347285	1.0760515	3.55515456	1.0788096	0.8451292	0.95/89/9 0.8	0010242	0.00013303	0 0384784
Any sufformsferase	4 0061200	1 0189476	0.9198986	1.01489	0.8886453	0.94306827	0.8732491	1.1169008	1.048853	0.95085007	1.082/8/	0 7053477	SHOOT SHE	1 0338033
Phase-1 RCT-171	0 RT264947	0.79760003	0.7535832	0.52399904	0.69337785	0.5373801	62435293	1.0678772	0.69308823	0.171939	0.04320270	4 2004580	4 6963117	95195144
Phese-t RCT-83	0.87422216	0.9629848	0.87989074	0.45418254	0.7490899	0.69026494	1,87083274	1.1947669	1,2054355	0.0441743	4 4004001	4 257001	1 420328	1 0113741
Phase-1 RC1-270	1 1068418	0.8317786	0.94644654	0.97832453	0.89085853	0.9649402	0.9199521	1,3810562	1.3663069	1.2423021	0.000000	4 24 573 SR	1 1373334	0.9308812
Colony-stimulating factor-1	0.835591	1.1430013	1.1813513	1.1396934	1.1643023	0.97246784	0.9292427	13054544	1.0705255	1.1950307	4 0200013	4 2472843	0 9914095	1 0196244
N-cadhenn	1 0074235	1 0235496	0,90669584	0.8239024	0.8216485	0.78328038	0.7099016	12923689	1.1435215	1,0744802	101201365	0.957979	0.912958	1.027211
Phase-1 RCI-62	1.1391248	1,1023167	1.161441	1.1210755	1,202915	1.2602457	1.168803	0.98096126	0.8856082	0.005000	17121000	96286560	0.88550067	78825060
Phase-1 RC1-22	1.0678574	0.8638243	0.9531363	0.99707156	0.9067637	1.5190817	0.9012937	0.9033825	0.63/3443	0.88576075	0 95043933	0.980422	1,0891905	1.0187443
Oheren 4 Det 48	0.899071	0.95446897	1.0060587	1.0009229	0.9983728	0.95747703	0.9250	0.5014503	0.505.000	0 8862519	0.8503408	0.9936705	0.86371	0.9537707
Dheer 1 PCT-123	1.0927573	1.0666302	1,0512145	1.13857	1,0838073	1.099916	1.102237	4 2055200	1 0041785	0 9191133	0.6148752	0.9468324	1,0491471	1,0892553
Phase-1 RCT-68	1.2924048	0.67541735	0.9377966	96 0.94120854	0.63318025	0.8355804	0.8558540	1.2032200	2					
Equilbrative ntrobenzylthlolnosine-sensitive			-			0.47206527	0.65007876	1.0273247	0.9247708	0.8749513	0.7582243 0.88	529557	1.0501485	1.0764985
mideoside transporter	0.7307426	0.7673426	0.7789615	0.4433/303	0.00030003	٦.	1 0657576	1 0515785	1 0017899	1.1312804	1.608728	0.7846751	0.84871876	3.87131107
Calcuse transporter 2	367678.0	1.027590	0.99231607	1.4217346	1.0931506	1.23/0000	1,003(30.1	4 3861121	1 2979838	1.2549826	1.7537497	1.1787742	1.1880466	3.88134684
Mulidrug resistant protein-2	1.1481524	0.836331	0.9328693	0./302019	0.703313/4	1 0241730	1 1238129	1.5685122	1,3915615	1,3568498	1.8848881	12462852	1.2436864	0.8325038
Multidrug resistant protein-1	1.4155024	10.968118	4.000046	0.00300023	1 3550539	1 233058	0.9868732	1.8883654	1.4821764	1.3922219	1.9894022	1.9454489	2,197,9902	1.1253/34
Phosphatidylethanolamine-binding protein	1.248639	1.40/115	1,000/13	4 7607B24	1.4517055	1.7628988	1.6642288	1.0773555	1.0568577	1.1250255	1.1547538	0.9889866	0.98799974	1,0168094
Phase-1 RCT-180	4.00440	0 OC 242R	R 0 97930783	1 2853718	0.96585286	1,0348159	1.089943	12317178	1.1748852	1.7769707	0.0630643	1.0343300	2 40070	4 9064842
Integrin beta-4	1 169888	1367969	1.0728246	1.063082	1,307194	1,3013239	1.4265021	2.0678434	1.53635	2.4853442	1.4043040	0.7585103	0 8368358	0 94587263
NADPH cytochrome P450 opdoneduciase	0.8519600	1.020098	9 0.900885	1.1827759	0.960584	1.1043252	1.0756267	1.0543739	0.89747334	1.2639000	0.3474030	0.1954743	0.7403572	1,7295575
Endocenne minufail sequence, 5' and 3' LTR	0.569416	1,185652	5 1,3869896	0.94205755	0.62894636	0.76219285	0.7385468	4 2000E4	4 1792678	1 2209578	1,1197726	1.2843755	1,1163765	1,0946051
Phase-1 RCT-53	0.940780	1.030303	3 0.99566756	56 0.86378926	0.96516286	0.05253300	0 9704448	0.9042487	0.8722749	1.0040015	1.3659985	0.9927583	0.8883911	0.9796369
Phase-1 RCT-54	0.9016241	101138	0.95003524	1 2251662	1 0866803	1 1124026	1.0958856	0.97048	1.002916	0.98865724	1,0079275	0.87796533	0.79297245	1.1408398
Phase-1 RCT-240	0.9114983	0.00000	6 0 90221894	0 77628136	0.78890777	0.77907765	0.8072898	0.9427785	1,0305511	0.9434691	1.0788307	0.9433483	1,0456512	1.14.30007
Osteopontin	0.283203	1 08478	1 076267	0.8332082	0,71354336	0.8377286	0.80041194	1,3242518	1.1325101	1.2319745	0.76311177	Jan Paled	0.1430370	1 070635
Organic anion transporting polypeptide 1	4 4 88028	1 079449	0 959518	0.4792492	1,1337248	1,4197551	1.0249023	1.02327	0.89269006	1.0249528	1.0259453	0.3344/840	0.027.3230	1 2601346
Phase-1 RCT-241	1.100820	PG1679	7 0 9680797	2.0318098	1,0462489	1.0928494	1.064651	0.86900395	0.7903242	0.89651006	0.827128	0,72451900	V.1 102000	200
Tissue tactor pathway inhibitor	7							0000000	4 4970539	1 0004419	1 7011659	13710533	1,3343687	1,3020911
done	0.969574	1 1255036	5 1.102781	1.2465485	1.4292948	1.139646	1.250341/	0.8806232	0.71001244	0.914054	0,63686854	0.6763162	0.80557424	0.89164287
Phospholipase D	0.891027	2 0.9547561	4 0.8991790	1.1742921	1,023,011	4 4030000	A 002377864	1 040696	0.93609387	1,0406773	1.2819062	0.99504584	0.9256824	1.2840448
Phase-1 RCT-39	0.921584	1.100235	0.9003500	201/802.1	1 10/0111	4 0420525	0 9R97436	0 9347482	0.8953947	1,0417087	1,1318753	0.9817533	0.9842877	0.98808926
Phase-1 RCT-258	1.14045	1.008178	31,00,120	1 5418266	1 0174708	1 0088372	1.1194016	1.1236657	1.0883996	12437439	1.5932126	1.043673	1.0003383	1.1250222
Phase-1 RCT-113	1.141002	1.01/023	1 059431	1 2645968	0.9783097	1.1737443	1.0992467	0.B1544966	0.85329163	0.84750336	0.854031	0.7757807	2 040374654	3 5703846
Adenine nucleolide translocator 1	0.717	1 0.973581	2 0.9800460	8.078978	1,3356173	22230015	1,5230987	0.88165474	0.66518587	1.5815282	1,6415351	0 5483818	0 8102344	0.7986203
Apra-1 and grycupturall	0.919363	0.925120	5 0.9701577	0.9405395	1.0286768	0.8211171	0.9449858	0.62165457	0.4820/493	10.00000004	0.0000000	200000		
MHC Gass II drigger of the trees when														

													SCOSSEGO O LECTOR OF	08366076
6 275-2	1 5014112	0.96837604	1.1964558	1.3116	1.0286026 1.1544963			1,0537571 0,86588615 0,86954004	0.86954004	0.840678	0.9259903	0./432261		4 4220700
	7370000	4 1338424	4 ME3076	1111922	11111972 1 2057654	1.1810203 1.1585656		0.7455033 0.6811855		0.8684495	0.8684495 0.91325945 0.7478085 0.771632	0.7478085		1.1330703
factor 1 alpha	1300104	1330(21	-	37,000	4 4 22 0 8 8 4	908780 1 17763777 1 10837909		1,00973		1.0709497	1.1951399	0.89155596	1.1951399 0.89155596 0.79115915	
Phase-1 RCT-43	1,0344379	1.1421959	- 1	1.1342170	1320001	100000		ARCALOTER.		0.9087733	1 0885154	1 0885154 0 90414584 0.7674184	0.7674184	0.9809716
Phase-1 RCT-45	1.0004749	1.0981597	1.0037135	1.1861279	1042311	1.1861279 1.1042911 1.03462/3 1.112342 0.88432130 0.000130	11/2012	37770		30000	4 356,7000	4 4645244 1 3695538	1 3695538	1.0490597
Malata debudences adventir	0.8338453	0.9336579	0.9336579 0.93475246 0.88918626 1.0464104 1.023238 1.1243484 0.9527522	0.88918626	1.0464104	1.023238	1.1243484	0.852/522	1.1403133	277.77		4 404 BCA4 0 7959865	0 7959865	1 9064653
	0 74078804	0.8693501	1.1827163	13432841	0.2813903	0.74082094	0.49235648	1.150825	13432841 0.2813903 0.74082094 0.49235648 1.150825 0.8713443 0.32847443	0.32647443	0.000	1	1270070	A 040CEA4
	200000000000000000000000000000000000000	4 2235457	4 0703472	0.7346783	1 2837465	12230958	1.2162831	0.81447446	12230958 12162831 0.81447446 0.86200386	0.8676954	1.0816385	1.0816385 1.1010953 0.9436107	0.3436107	1.00000
	0.737 137 13	20000		00/00/00	0 9440124	0 9247729	0.8695956	0.86105394	A GAAN124	0.85899115	1.1074455	1.1074455 0.81708974 0.88068818	0.88068616	1,053/363
Alpha-fetoprotein	1,1006354	0.9039443		200415025	O BY BEACH	0.7977689	0 9840788	0.7977689 0 9840768 1.0361189	1,0419376 1,0741081	1.0741081	1,0399505	1.3857212	1.1361406	0.8923126
Calgranulin B	1.0260104	1.0260104 0.916//314		0.9519699 0.76015023	0.00100	0.0160104	0 0240R	0 02408 0 9403509		0 900944 0.87900794	0.8458174		0.88332814	0.8658883
Tissue plasminogen activator	1.001575	~	٧,	0.831410	0.0014333	0,0014233 0,07374006 0,0043684 4,0745500	0043584	1 0715599	1.	1017381	1271376	1,1544542	1,3251666	1,0764705
Phase-1 RCT-195	0.96035516	1.0526527	- 1	1.0150492 0.79627714	0.5457.007	0.5227 1300	0.0004247	0.3227 1309 0.3042300 0.3040506		0.7539876	0.5532816		•	0.6836609
Liver fatty acid binding protein	1.0943178	1.0943178 0.9296166	- 1	1.0378845 0.55724345 0.62302417	0.62302417		0 80891544	1 0673943	4 manage 0 8004544 1 0673943 1 0475949 0 99302926	0.99302626	1.166283	1,2354097	1.1622758	0.958391
Alpha-1 microglobulin/bilgunin precursor (Ambp)	1.2884033	12884033 0.99379224	1.02235/4	1.02236/4 0.9433220 0.90040463	0300000	2000000	4 0460601	0 94831586	A ODCOMODE 4 PARAGENT O GARATERE D.88722118 0.96159446	0.96159446	0.879703	0.8076168	0.8012747	1.1406285
Phase-1 RCT-294	0.9492544	1.0951104	0.9492544 1.0951104 0.97223085	٦,		4 2000200	10053001	4 6052044 4 9002070	1 1770174	1 1770124 1 260919	1.512124	1,2920718	12138562	0.94962595
Phase-1 RCT-151	1.1216741	12162656	1.2162656 1.0780443	-1		20/6000	4 0405045	4 0465545 A 06909564		0.8366072 0.9283079		0.8838912 0,78489614	0.8007601	1.0426725
Phase-1 RCT-158	1.0758731	0.96415293	미	1272687	1.116315	1.0354330	- 1	4 4305263		1 12/20R1		1 1551108 1 2108594 1,0200552	1,0200552	1.0277013
Phace-1 RCT-221	1.0755467	0.9750239		- 1	1,0186245	- 1	0.5500033	1.1302200	10404005	4 0004304	4 1555163	4 1555163 0 8982739 0.85665634	0.95665634	1,267,1851
Phase, 1 9CT-235	1,1176676	1.1176676 0.94017607		1.244.2632	- 1	1.01006/6	1.065/016	1.01006/6 1.063/016 1.0130433	4 0625046	4 0440458	D 7407A0B	0 740780B 0 8918151 1 0225805	1.0225805	0.89331
Organic auton transporter 3	0.6575787	1.10363	_ 1	0.9299071	0.768092	0.768092 0.84531/3 0.8909636 0.95/1940	0.8909630	9000000	1 4 408829	4 075424R		1 5808303 1 2799987	1,3507673 0,81859463	0.81859463
Matrix metalloomeinase-1	1.1856462		- 1	0.79176176		0.7999087 0.79176176 0.79886425 0.78488/4 0.91239493 1.2903239	0.91230493	12303530	0.00000	O BRAKENA		0 9944834		1.0879978
Hinary motein 2 precursor	0.866904		0.72382784	0.72382784 0.54337156		0.6997538 0.66500336 0.7131872 0.74353825	0.7131872	0.74393825	0.0000	1 000000	1 0131069	0.8411049	0.9560429	0.9642072
Phase-1 RCT-212	0.85254616	0.8273309	0.85524774	0.99730897	0.88056356	0.85524774 0.997308971 0.88056356 0.9675263 0.3035514 0.30273403	41000014	0.302/3403	- 1	200000			١	
(1) Gene expression data for 6 hour timepoint are														•
presented as mean ratio of treatment/control for all 6														
(hour predictive genes (Table 18).														
(2) Compound and dose abbreviations as in Table 1.														
(3) Individual animal number														Ī
The second section of the second section is a second section of the second section is a section is a			L											_
(4) Liver milammation dassification to curporing the omitto at 72 h; ves ned; necrosis observed; yas-														
both, necrosis with inflammation observed; no, no														
histopathology observed														
(5) Predictive gene (as in Table 18 and as included in														
(Table 26)														

									1	Ī	TET 150	١		
Company (Company)	TAM 50	TAM 50	TAM 200	TAM 200	TAM 200 T	TET 50	TET 50 T	TET 50 11	_	TET 150	7		THE0 25	THEO 25
Animal Number (3)	442	143	150	452	2	121	122	123	1241	1242	1243	2521		2523
Liver Toxicity Inflammation Gassification (4)		_	no n	9	2	n 0	c Q	٥	yes-necr	yes-necr	yes-necr	2	2	2
Gene Name (5)							-	00000000	13001 00	20003000	A EDE4063	0 7763044	0.02618054	1 127146R
Insulin-like growth factor binding protein 1	0.8906694	1.0075512	1.1390456	1,3517617	1.7847220	1.0978009	4 2402202	22020002	4 RAFO770	2 586845	2226904	-	1.1924525	1.0757678
Gadd153	1,3/39/39	2022610.1	1.10000	4 0407047	4 4040407	0000000	4 2/10059	1 2209065	4 240596	2 254 538	2 1081502	0.8519322	1.0658635	1,0058763
o-m/c	1.609195/	1,2396218	0.0807464	1.812/01/	1 2421268	1 1071142	2 658978	1 4669368	6.4005113	1.386775	1.4023478	0.8020333	0.882137	0.95853944
NIFK	0 78811406	O GOROSAR	0.77263445	0 9098468	1 0990357	1.1176881	1.0854284	0.10687622	2,4785199	2.8016455	2.2516057	0.90041244	1,339304	1.1568261
Camepsin L, sequence z	4 5302202	1 1466633	2 1472974	4 2234 936	3 2589738	1,0094517	1,46658	1,6177213	1.598419	2,06196	3.041665	1.0568699	1.0359479	1.4599674
righte oxygenase	0.00555078	0.0447618	0 9054754	1 1708034	13785588	1 2015407	1 4353443	1.4603536	1.5643387	1.167983	1.2876982	0.9743932	0.93392768	1.1159103
Fhase-1 RCI-109	0.95333010	1 0653113	1 1417251	1 2714856	1.0626563	0.88538855	0.99261373	0.8969012	1,4206935	0.72425264	0.8021205	0.88827324	0.96479535	0.94978833
Applications by the second sec	0 7585735	1 1721493	1 4173987	1 207534	1 4724733	0.72615886	1.0349171	0.86361146	2,429773	1.6964365	2.3832288	1.8577434	1.0167589	1,0717933
Auguniosuccinate yase	0.8042449	0.9722332	0.91579944	1.0373935	1.0773333	1,0389502	1.0613775	1.1609696	1,5496792	1.6366683	1.4800057	1.0542824	1.0848855	1.2488039
DINA poymerase Deta	0 9081502	1 0096378	1 1281718	1 2247896	1.0428515	0.9035851	0.9576895	0.86940897	1,3887838	0.7184341	0.7913825	0.8793047	0.994091	1.0019352
Diberomal amplets Co	1012861	0.94266796	0.9867108	1,312525	1 2863249	1.6357532	1.1791905	1,4348649	1.7120515	2.1168277	1.7680638	1,2303945	1.2728043	1.1548127
Dheed DT-444	1371692	1.1019629	1.0789171	1,1106435	1.1817275	0.92435515	779686.0	0.8788037	1.5355262	1.2851784	1.118625	1.168735	0.9276243	1.0309875
Phoen 1 RCT. 14	0.7425768	1.1571704	1,6289351	1.7126579	2.085583	0.72029114	1.160184	1.0666533	3.7141626	1.5848471	1,8093436	1.1192573	1,0851093	1.1902155
Macrophage Inflammatory protein-2 alpha	1,7307833	1.6472535	1,5632253	3,163692	3.3913941	1.1714371	1,1485512	1.1319925	2,8700662	1,01659	0.81371814	0.7895597	1.058721	0.8434629
NGF-inducible anti-proliferative putative secreted						1270000		4047000	6 7000504	4 7420488	+ £7.40£7.2	1 2051606	10550030 U	1 1530159
protein (PC3)	0.76739347	0.73865575	0.786059	0.7738565		0.958015/4	///Str.r	1,131/856	3,7000304	0.004667704	440000	1 2045705	0.05483587	1 0241783
Phase-1 RCT-191	1.1425978	0.9477639	0.89055824	1.0890629	1.072161	0.63319455	0.7237082	0.7608514	1.133000	2 254 4 426	4 0034572	0 8847876	O BESASES	1 1283776
Phase-1 RCT-63	2.1979995	1.7468144	1.334263	1,3804008	1.2857367	0.96883045	1,5333527	1.4580203	0.05204725	2.351 1430	4 7449893	4 0970625	0.0055759	1 0714818
Cyclin D3	1.9681176	1.7564343	2.330655	2,42771	2,7210839	1,0846,264	1.14/024	1.1238/2	1.4824407	2.007.0027	0.7006272	0.6583852	1 0451039	1 0707363
Phase-1 RCT-108	0.9585504	1.012313	1.1192803	1.0967656	0.9958617	0.93073573	0.3140403	4 0044008	2 272303	9 E307A7883	2 5800615	0.79137415	0.7604409	1.108697
Phase-1 RCT-56	0.9156711	1.098/236	0.9651/3	1.4305/12	1.3/83506	4 0000000	0.37.007 10.3	4 2200004	4 4443935	4 0655487	4 0069139	0.79005684	1.0562873	0.95312166
Phase-1 RCT-192	0.92876273	1.1181688	0.9529832	1.0194515	4700005	1.0263263	4 9300400	1 2428543	2 02552013	1 5425689	1 4505416	1.3067768	1.0070978	1 2262719
Phase-1 RCT-75	1.0833299	0.95/8995	1.072304	1,0016246	1.17.90093	0.97.9454	1 307844	1 0048552	1 4875243	1 0144334	0.99486804	0.9713193	0.9311653	0.9759992
Acety-CoA carboxytase	0.032/020	1 1248191	1 0298305	1 233514	1.0197532	1.029568	1.0110143	1.0716096	1.3983237	0.753112	0.8390915	0.862542	1.0072726	0.9588766
Phase-1 KCI-85	4 049037	0 7634219	73020670	0 8907432	1.0413175	1.1324738	136361	1.6696007	1.2835993	1.5019355	1.4511273	1.303239	0.9721907	1,0105284
Physical RCT 49	12273704	1.015135	0,91095406	1.2127489	1,3128952	1.1193554	1.388967	1.3196394	3,5828943	1.6736058	1.9922246	1.0798991	1,0161589	1.1728091
Phase-1 RCT-9	0.60670775	0.81450504	0.7173612	0.6817595	0.70873976	1.1656492	0.926582	1.2287871	0.85895187	1.9192181	20300338	1.5815191	1.580748	2,3338505
Gadd45	2.3321905	2.429594	1,3961899	1.9527471	1,752101	1.1292382	1.3658636	1.0645863	1.648844	2,7049263	4,038101	1.1600303	1,0400403	1.150877
Phase-1 RCT-156	0.9616679	1.0727141	1.059608	1.1332202	1.0148727	0.96322495	0.57683593	0.8299702	13373412	0.823356	0.83468	0.950483	1,001/226	4.2002224
Collin	0.70384505	1.1696241	0.98059076	0.9541578	0.95183754	0.75104326	1.0830635	1.0588142	1.705272	1.4524288	1.3114225	1.232354	1.1008004	4 4734770
Phase-1 RCT-127	1.2737762	1.10(8689	1.25823	1.3076588	1 2104185	1,0452561	1.162/00/	1.0819112	3,12/2000	1 5245483	1 247R7R	0.75259054	0.9752287	0.7763016
Macrophage inflammatory protein-1 alpha	1.7530977	1.0012385	1.06/8836	4 4653034	1.153/440	0.08554564	1 1004173	0.903900	5 868788	1 2830467	1307543	0.8342457	0.9410725	0.8164806
Zinc finger protein	0.01341304	1 0596572	0.9114673	1.0039325	0.9140292	0.91203904	0.8499407	0.8894822	0.9585655	1.2285091	1.3546143	1.1383699	1.0425117	1.1391124
Circumo southetese	1.302443	1.0803361	1,3987229	1.7521758	1.1696112	1,0387564	1.243397	1,2391644	2.21418	1.4192013	12165644	1.590084	0.85641235	0.8273197
C4b-binding protein	0.99438274	1.152354	1.0763485	1.0389904	1.0676023	0.99997175	0.8604266	1.5424225	0.63056684	1.846223	1,4642987	1.3057627	0.97173315	12207027
Phase-1 RCT-242	1.7899241	1.1060088	0.8610015	1,3999615	1.6353492	1.008149	1.1720295	1.076548	9.684165	1,4815421	1.4925084	0.24.31441	0.9/46166 0.9140	0.91463363
Phase-1 RCT-50	1.0340571	1.124537	1.1887858	1.2070966	1.1305026	1.1087357	12327/34	1.3421224	3,221,2303	7500001	1 3578689	0.97396517	1 0361316	1.041973
Elongation factor-1 alpha	0.7759746	4 0000	1.0527003	1.131031	0.001303	1 0729389	1 0235454	1 0216045	3 1595175	2 2417653	1.8436278	0.99143785	0.9792684	1.0015672
Integran beta 1	1.203/80/	1 1274874	1 0096774	1 198401	1 0652078	1 1434776	1 2203182	1,110838	1.872816	0.9524006	0.9136456	0.9798434	0.96519744	1.1471726
Installing growth ractor pirtuing protein a	0.8246062	1 0750806	0.9478618	0.9244025	1,0301212	0.9119055	0.8848243	1.0421901	2.9625936	1.0366244	0.9679333	0.76879174	1.0484384	1.0540829
Phase-1 RCT-76	1.0258671	1.0303593	1.1268859	1.26966	1.123695	0.9890793	1,0066121	0.93529874	1,4914567	0.78293383	0.84125847	0.6855718	0.990742	0.8349519
Fertin H-chain	0.6776546	0.8401744	0.88934404	0.7886416	0.84764314	0.9178766	1.0871491	1.1171178	0.9458926	1.4246433	1.4388057	0.9142672	0.93443066	teamen.
Selenoprotein P	0.79051375	1.192272	0.9594098	0.99446994	0.8783381	0.68402934	0.8396206	0.7575917	0.7612601	1.0125946	0.9651526	1.2956927	1.0/50351	1.1414435
PTENMMACI	1.3133019	0.9924809	1.1582446	1.0474167	1.1592295	1.1237624	0.85910803	0.93637248	1.1709976	0.7386067	0.75051093	0.06132304	0 9382326	0 9780941
Phase-1 RCT-214	0.8361688	0.9196772	0.62345755	0.6201433	4 0620204	1,031650,1	4 0348537	1.0152906 4 0288288	0.5075075	071787757	0.96069175	0.5800122	0.9185895	0,7337993
Phase-1 RCT-112	1.059522	1.1341612	1.1/3/093	0.34445000	0.07710745	1 031122R	0 94351506	1 129138	O 87207174	0.8165292	0.78614354	0.89943904	1,1111943	1,0587991
Invitridylate Synthasia	0.61216867	0.799623	1.492065	1.6270214	1.6538672	1.032761	0.9619315	1.0445713	0.47539138	1,3312387	1,119602	0.50379115	0.5740242	0.60544734
Nirdensome assembly omitein	1.2256218	1,7215058	0.8501829	1.1145272	0.65966415	0.4755126	0.33247986	0.36266896	0.618241	0,7025522	1.258526	0.8543731	0.9623375	0.95584035
Cholesterol 7-alpha-hydroxylase (P450 VII)	1.6810906	1.2465492	0.90458953	1.5433869	0.573129	1.062892	1.1226137	1.0375427	0.43623644	0.5093055	0.7561398	0.7853536	1.6901469	1.1785/23
Vesicular monoamine transporter (VMAT)	0.8443513	0.9198706	1.1728456	1.0100982	1.2280822	1.108247	1.1758121	1.0919985	0.43284997	0.9004885	0.89015996	0.7278483	0.88983417	0.8889098
Phase-1 RCT-260	1,343190	0.7818906	0.8749734	1.0123042	1.0063905	0.94323626	0.96460354	0.9500495	0.000322304	0.7043443	0.021 3325	0.1 2020040		

Phasa-1 RCT-32	1 2240198	0.7983475	0.92072046	0.92193305	3,93404496	1,0838318	1.8185769	1.4824212	1.3521191	1.2394242	1.0108953	12120256	1.241053	1.2234377
Peroxisome assembly factor 1	1.1734082	0.8975077	0.89879274	1.0791085	1.1471466	1.0479531	1.0649261	1.036018	1.1395564	1,4047086	1.3481822	1.1471708	1.1252168	1 2338299
8-exeguantine DNA glycosylase	1.340345	0.92793554	1.0716586	1.0491873	0.92732376	1.0881871	1.1418774	1.1355017	1.1671425	0.49547002	0.4766083	0.85592383	1.1389185	0.9919823
Phase-1 RCT-82	0.8709383	0.88646215	0.8628906	0.9813061	0.84329057	0.9942754 C	0.96547383	1.0147123	0.36622822	0.8019152	0.78159827	0.8800565	0.94637114	88072515
Matrin F/G	1.0760721	0.9985943	1.2867024	1.0124642	0.6306712	0.6951804	0.5950467	0,462839	0.40002295	0.5284372	0.6219236	0.68/3333	0.9116337	0.9093433
Phase-1 RCI-184	0.80295944	0.83827645	0.83580536	0,8993000	0.8030049	0.0950133	0.0001244	0.304050	0.7000403	1010230	0.8023332	1 0584272	1 031300	1 0356401
Prase-1 RCI-168	0.7702844	1,752874.35	4 5000305	4 0057470	4 4700000	4 0004000	COECOSOCIO	0.0000000	0.33447 US)	0.03/32/3	4 074007	1 0087856	0.8350776	O RTTO AAK
Cadamia settedmen II	4 5001194	1 2443522	1 0703313	0 R0360675	151110177	1 155085 0	191539705	1 0898766	14120973	0 7007698	11377472	1,1390775	0,70542115	1 2280916
Toologhan hydroxyase	0.74921423	0.9135286	1,1381304	0.8054601	0.97723347	0.9127503	0.9082804	0,8006082	0,6327201	0.79468685	0.62739456	1.1699303	0.8662917	1.1195056
Phase-1 RCT-71	0.8613675	0.90405464	1,1807245	1.4632176	1,5235918	0.9734789 0	1,90475434	0.943261	1,4141116	1.0318687	1.0447232	1.1502593	1.1855267	1.1442984
Phase-1 RCT-179	0.8465593	0.9728017	1.2646106	1.5799181	1.7686863	1.0316507	0.822916	0.9816041	2.9299895	2.8949263	2,3344326	0.9479708	1.1859794	1.3177061
Phase-1 RCT-161	0.87235326	0.95253474	0.8822583	0.7153452	0.44943187	1.0048907	0.9844695	0.985404	0.35471615	0.9227314	0.8253828	0.78480214	0.59864163	0.79948
Phase-1 RCT-207	1.202655	0.9959706	1,1011415	1.1091803	1.0794061	0.96551424	0.9223894	0.9351104	2.9878724	1.0893409	0.9890544	0.95626086	1,0277898	10204151
Phase-1 RCT-144	1,1833651	1.0534021	1.0354841	1.4669204	1.6042608	1.1374668	2.0307443	1.6395702	3.626966	2.0350773	1.8029693	1.2085899	1.1826333	1,442581
Phase-1 RCT-225	0.981434	0.69068587	1.0495203	0.9392533	0.8982911	0.8693634	0.603808	0.5659025	0.3949658	0.5094572	0.57194066	0.8893925	1.3970246	0.949782
Cytochrome P450 2E1	0.9444084	0.8630563	0.5715576	_	0.55357987	1.1365325	1.1923635	1.1242486	0.43761635	0.6069357	0.6722736	747	1,2321931	0.7700027
5-6	127443	0.8862674	0.9226274	0.94203585	0.991//6	1.0916549	1.284487	1.1019382	1.0/33/1/	1.3636017	1.190/302	4 4425707	0.79704004	4 0020007
Thioredoxin-1 (Trx1)	1.2433465	1.0298781	0.98359007	1.13/8111	1.0943652	0.8792204 0	0.84630084	1,67723653	1.0333070	1,3040414	T03500000	1.1423707	0.361367	O TOSTOR
Canonic annydrase at	4 640402	0909090	0.03807465	0.37 1823	0.10000202	24284E	0.300337	0.433332530	1 1208074	1 111729R	0 8949988	0 90258133	1 0372907	0 9310152
Complement component C3	0 87598103	1 0219176	1 2555561	13959281	1 4282867	2 50	100	1.0403963	1.1706262	1.2021538	1.1601868	1.1431789	0.855456	1.2988001
Companies Compan	2004443	0 74657443	1 20CR1RG	0 9717113	0.4741326E	0 9263498	1 0452824	1 0001162	0 17257472	0 6399636	0.5122083	0.4382007	1.0890862	77798927
Dhasa 4 DCT 473	4 4316072	1 00012	0 8278406	0 8245004	0 7439045	0.8722788	0.7082596	0 8787341	013868) i c	569 0.49994707	0.8641028	0.95053725	0.6828304
2-moth dedening DMA chames does	4 5304708	1 3082323	0.8391614	0 95079136	0 87682754	1 0540717	1.1021765	1.0856712	1 1290236	0.8920458	0.9157869	0.85585105	0.99130285	37110593
Danvisomal multifunctional encoura type II	0 9293192	1 0388504	1 1712062	1,1154138	1.0727375	0.8296418	1,0383184	0.9635738	1 2593834	1.1665587	1.1636746	1,3865554	1.0118332	1,2059176
Descara DCT.40	0 798094	0 89909184	0.85206723	0 82832813	0 7719045	0 9577521 6	3 89871234	3.87207156	0.7079805	0.9545589	0.865555	1.0881213	0.878525	38226583
Senecence marker omteto-30	0 94552064	1 1650062	0.9105342	0.87354547	0.589164	1.0935825 6	7,89755344	0.8404867	0.27953448	0.37857985	0.5033277	1.1814433	0.8658488	1256244
Cyclin G	1.7809172	0.98576266	0.7482751	0.9870411	1,3463203	1.1237624	1.0946981	1.233938	2,4413002	2,492,1587	1,3049314	1.493512	1.1726016	1.2441028
Melanoma-associated antigen ME491	1,1453857	1.003725	0.85212284	0.94894385	1,1092868	2,466284	1.1839517	1.4189591	2,0501099	1,7088709	1.1281859	1.1837671	0.9897392	37758484
Phase-1 RCT-28	1.5427645	0.993769	0.90199584	0.9628258	1.0543778	1.0650921	1.0196928	1.04226	0.9828648	0.9744016	0.96663904	0.8852041	1.0782869	1.1410089
Emerin	1.0066795	0.8942308	0.84374696	0.8888914	0.8373954	0.92926514	0.8438871	0.882223	1.0141357	0.7976743	0.88126165	1.0019686	1,065056	1.0296068
Alcohol dehydrogenase 1	0.84730583	1.0755695	0.88793206	0.0420736	0.6554314	0.37971005 (0.46842504 (0.54899246	0.6605806	12941588	1.1837909	1.3894385	1.459226	22621722
Stem cell factor	0.9517368	1.3219398	0.96513283	0.8521899	0.6428169	1.138411	1.1388916	1.1309311	0.3122962	0.598613/4	0.50563565	0.83286345	72059000	1,02/9266
JNK1 stress activated protein kinase	1.5426729	0.36165066	1.1905995	1.0013270	4 4620667	1,0320200	4 04777560	1.0131903	0.7047033	0.6236634	0.1310465	0.7612304	0.0000	NAGERES CA
Protein tyrosine prospiratase alpha	0.3010102	0.651376	0 6732449	0 9040578	0.8420354	1 04R8449	1 0537916	1 0531853	0 8916424	0.6834844	0.6411634	1.1299388	1,1210498	3,84459007
Libinitio contrasting enzyme (RAD 6 homologies)	0.0044734	1.1468316	1.11947	1.3307228	1.3360448	1,4110401 C	0.92312694	1 1342868	2.4847426	2.1554332	2.0340924	1,1096836	1.1654197	0.9852318
DNA toockomerase I	0.9085392	1.0252452	1,3391616	1.4383702	1.5401082 (0.98323095	1,2396675	12329854	1.3153661	1.36683	1,303115	1.2868818	0.9504618	1,3364993
Phase-1 RCT-280	0.71833897	1.1296688	0.96810544	0.9307225	0.85165745	0.8594139	1.0939612	1.1654886	1.1687623	1,5020163	1.7023355	0.7940206	0.9689684	0.939752
Superoxide dismutase Min	1,5268167	1.1301152	0.8298544	0.94638956	1.6167457	1.0590942	1.2505109	1.1911262	4.0748386	6.1163354	3.9385533	1.1978381	0.9695366	1.1507727
Beta-tubulin, class I	0.8029044	0.62280047	0.5725357	0.7599319	0.9653844	0.93566483	1.0712517	1.1359575	0.8154547	12591362	12/12369	1215266/	1.0/3/31	1.4651042
Carbarry phosphate synthetase I	0.8226294 4.4407604	1.4641512	1.338/803	1.0406109	1.10104/0	1 0440347	347 4 052754	0012843E	0 0420130	0.0001030	0 97811893	1 0378376	1.1559862	1 2475569
Dhase 4 DCT.144	1 201459	1 4813704	2 4516244	2 9857125	3 6146863	1.5132589	3 1322992	1 9534594	7.789068	5.8069673	3,9309442	1.1863232	1,1016117	1,7365593
14-3-3 zeta	1.0259553	1.0312307	1.0648961	1.0898188	1,0773017	1.0987899	1,0468837	1.0924345	1.7278771	1.6708562	1,5667573	1.1121051	1.1293842	0.9514876
Gamma-actin, cytoplasmic	0.7489455	0.58594143	0.52523404	0.8222899	0.7455295	1.0173455	0.9740222	0.98349917	0.60846967	0.71540415	0.6340486	2.0583284	1.2051982	1.1316278
Ribosomel protein L13A	0.8620855	0.89726263	1.129362	1.2893931	1.2646034	1.3203602	1.6256821	1.6767935	1.4493297	1.3918498	1.4101118	0.99670017	1.0843643	1.1144984
lkB-a	1,0662452	0.97867095	0.8842042	1,2933981	1.4703851	1.0483662	1.6265179	1.4204295	1.6877391	1.2444522	1.0588301	0.9162865	1.1651356	1.1608186
Phase-1 RCT-65	1.1208055	1.0241032	1.0527843	1.0345284	1.0379571	0.8423903	0.87031895	0.6202197	0.9906632	0.8179236	1.013863	1.12003/3	4 4722440	0.30/03440
unio .	1.5384387	4 0042250	1.0636092	1.2081821	1.136395	0.96594125	0.83414235	4.0005005	4 4477694	4 4520233	1 BOR3024	0.8047330	0 0473340	0.7949851
Housen O-mannosyttansterase 1 (Pontr)	0.5319393	1 0820729	0 9880327	1 2613707	1 1081774	0.88548525	0.6810173	0.90410477	0.8720368	0.8498437	0.8597248	0.9062315	1.164568	0.9986331
Phase-1 RCT-12	1.045787	0.735325	0.84780693	1.0494295	1.177537	1.0101236	1.0343647	0.9190474	1294021	1,0962965	1.0945913	1.0143346	1.0352811	1.1938556
Interferon related developmental regulator IFRD1									-	4000000	0.000	00000000	0.00777743	4 4 4 5 7 8 4 4
(PC4)	0.9737964	1.0953354	1.2916914	1.5498939	1.7393152	1.0691351	1.0795922	1,0555514	2.97936	2,300/605	2,1452512	0.98762304	0.30///42	9 95 95 97
Gucose-regulated protein 78	1.3443254	4 4430695	1,00000	1.8/4118	1.89/321	1.045882	1,1406/33	0 R278004	1.0020020	1.40/23/8	1 1869173	1 1011038	0.9576808	0.66942704
Chemical (notice)	13769305	1 028136	11185081	1.1576191	12105614	1.0897089	0.98517746	0.98611903	0.88881505	12106845	1,0138583	0.94187146	0.95829954	0.96947885
Prase-1 RCT-169	1,1359924	1.1489138	0.9414519	1.0898005	1.2482957	1.0145969	1.0079296	0.967298	2.5794394	1.591515	1.3402148	0.9055523	0.96624833	0.7526875
Phase-1 RCT-197	1.1231748	1.0010518	1,1075131	1.5096287	1,3376105	0.9881755	0.6992306	0.9203821	1,0991192	1,5332628	12428591	0.8666908	1,0374818	1.0427165
Phase-1 RCT-34	1.1033767	0.8661957	0.72487605	0.64390755	0.48433024	0.9899812	0.90681964	0.8574428	027281132	0,698128	0.66782403	1.1486567	1,0831641	0.8465119
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Phase-1 RCT-72	1.1128669	1.0602037	1.009/51/	1.01/0404	4 4005007	2372765	4 20000F	4 4642030	0.0806974	2 2459695	1 7085382	0.8595308	1.1542966	1,0015913
Pyruvate tinase, muscle	1.0629312	0.7241072	0.0310093	0 5222063	48918235	0 8923998 (80409285	0 9025604	0,5053366	0.5982447	,56693715	0.742347	1.1300107 0	.856862.37
Phase-1 RCT-288	4 4030307	1 00000	0 9606176	1 0738668	0 95686	1.0506722	1.0747324	1.0495512	0.5845688	1,0007155	0.7841795	1.2671229	0.8928271 C	.99588615
Prizase i RCI-30	0.4171272	0 40469366	0.54885	0.41835165	1.1247967	0.9871481	0.988419	0.8670533	3.42368925	0.8934552	0.9184914	1.2778213	2.0493925	2.3230243
Cytoditorie F430 2038 (augitate conta 2)	1 1113084	1 0911269	1,9389725	1.4753388	1.1446602	12060581	1.551555	1.8110988	0.5935677	1.488304	1.9149762	1.1338234	1.1074755 0	93534213
Disease DOT 284	1 0361693	1.1148036	1.0744517	1,0596523	1.0508051	97557396	3.31963193	0.9288355	1.0052788	1,0235157 0	94790906	1.2782471	1.031207	1.20468/4
Methyland-CoA racemase alpha	0.66648215	1.0345472	1,080532	1,3722728	0.8271541	0,7184644	1247297	1.0936841	1.4789716	1.5344956	1,634,6933	1.0688568	1.0661378	1.102/336
Cytochrome P450 1A2	2,3747916	0.6596886	0.85531914	0.8470826	0.80241156	1.0062448	12564754	0.9030931	0.13113146	0.7581261	7.1033468	1.0458831	1,8842504	1.043728
Phase-1 RCT-297	1,2170267	0.6091305	0.72602993	0.7557872	0.8090505	1.0893176	1.104573	1.1080981	0.59154063	124431/8	1.01/209	4 0134138	0 9021832	84812343
Monoamine oxidase B	1.1070244	0.913074	1.0525255	0.9051718	8 0.76481885	1.025/521	1.0004497	78840109	0.3/0/83/0	1 0667043	4 2523808	1 4701958	1.0510477	12124381
Phase-1 RCT-264	0.7197098	1.004504	0.86806224	0.76063687	0.6668368	1 0909039	1 0335038	1 1193396	13539121	1,2006408	1.067273	0.80452555	12332311	1.1127053
Peroxisome proliferator activated receptor garrena	0.009/828/	50,044,000	0.9390219	70601100	0 9768411	1 07 18674	1.1293252	1.1825312	0.8763389	12197721	1.2101783	1.1612849	3.92775446	1.0968778
Phase-1 RCT-143	0.04010	0.044200	246304	4 0482703	57414305	4 0341372	1 1068672	0.9653047	0.858404	79849464 (0.71134834 (0.60743638	1.347749	0.6028841
Phase-1 RCI-231	1126777	1 0985571	1 2140561	1.070303	0.67909104	0.92870075	1,0136365	1.1099832	0.8096578	1.0009813	1.1434653	0.7921449	0.7693084	0.8743376
Chitathina Strandense fieta-1	1.1633302	1.3658464	0.96531385	0.7641066	0,56688285	0.91602176	0.83659726	0.8496285	0.87919986	78071445	0.85577697	1.3198363	1,0248076	0.9308025
Phoent BCT01	0.88608587	0.97426176	0.84560156	0.87922674	0.8795656	1.0041573	0.7225231	0.95569498	0.98858565	1.1840955	1.1795213	1.0101454	1.015906	CZ18CUU.T
Phase-1 RCT-148	0.97227067	0.68557215	0.79983758	0.86895695	0.5344971	0.83884454	0.7745895	0.6767407	0.4496538	0.7428242	0.6795675	1.04209/9	03240471	7,10,10,10
Phase-1 RCT-142	0.87469673	0.93993974	0.77095085	0,76789695	0.85916173	1.0080521	1.1989971	1.059882	0.92663616	1,2233014	1.3341244	1.0001300	0000000	Degood To
Activity receptor type II	1.0725561	0.9416409	1.0532944	1,018709	1.1378089	1.0564209	1.0226249	1.0197302	1.1796826	1,03,5226	1.021/345	0.7438195	0.97 6047 74	A997789A
Glycine methyltransferase	0.86103755	0.9943331	1.036075	0.80257335	0.66357714	0.70955515	0.91106343	0.9397785	400000 A.O.	1.0344/46	0 7547076	0.34013234 0.74237038	4 082787B	R2112026
Phase-1 RCT-281	0.70513976	0.7715419	1.0120862	1.0799409	1.035/336	0.9545325	0.822203/6	0.88486374	1,2020043	4 4752407	0.0312010	0. 156/060 0. 85583735	0 9288905	1 0096656
Ciliary neurotrophic factor	1,5170045	0.8279612	0.96161956	1.1446334	1.25/2343	1.0348478	1.2022007	1	211112	100				
Gap junction membrane channel protein beta 1 (Gjb1)	0.7634443	0.80001035	0 78234184	0.6807156	0.65045863	0.7201748	0.7745288	0.44982806	806 0,63048565 0.49204105	49204105	0.59283876	0.69986874	0.5868632	0.45468563
2000	1 1253035	4 0777150	O BERGTZR	0 92018354	0.96620864	1.0130888	0.79042816	0,99638254	1,2922467	1,0682173	1.0175896	0.5873662	0.98154986	0.8463192
Phase-1 RCI-86	0.04373034	0.0747486	O ZRRERA	0 82739248	0 68678286	1.0045755	0.98541033	1,0659937	0.968357	1.0886254	0.98863584	1.0711565	0.9046877	1.046466
Priase-1 Moli-26/	0 6974024	1 024676	0.7819557	0.89131546	0.7783689	0.83845353	1.1050209	1.105175	1.1356612	1.3901563	13214918	1.0235212	0.96291035	1.0121682
Version that and Cat compains	0 64244664	0.6623178	0.72403276	0.8054388	0.66986346	0.94461197	1.0731951	0.95204335	0.9095892	0.82177633	0.83731127	1.0002557	1.0616807	12252746
Sunderan-4	0.9683889	1,0356703	1.1229398	1.10823	1.649141	0.8719067	0.88663894	0.85215086	0.77949816	1.0071636	0.8625182	1.3988875	1.0771393	1.1214551
Statherin	1.2979236	0.9188893	0.8339682	0.81260856	0.8236291	0.9697442	1.0453074	0.9976879	0.91347754	1.0305303	0.9153797	1.0022259	1,1300011	1 1055718
Phase-1 RCT-145	0.9858284	1.0884815	0.9834272	1,3735278	1,4845352	1,2038981	1,3311577	12533228	2.4346366	2.07369	1.9/36031	1.18/406/	1.1320/71	0.19337.10
Axin	0.8480259	0.9998738	0.94774914	0.7988696	0.80823004	0.9795903	0.93442637	1.0228565	0.3627403	72447776	0.53020304	1 0401553	0.89618236	0.8229238
Phase-1 RCT-89	1.0920335	0.9058714	1,01081	0.62589895	U.54818/1	03/30/30	0.8030424	1 464744	0.0011131	0.782404	0 61271465	0.86680216	1.1027774	1,0802929
Sarcoptesmic reticulum calcium ATPase	1.4589427	1 2333715	1.1359/07	1.2044669	1.130322	1.10323.0	1.000000	1 0701011	2 0648744	19354894	1.5620501	1,1180482	1,0767897	0.9436341
Alpha-2-macroglobulin, sequence 2	0.99647045	1.2038013	1.3622645	1.2004/02	1.4012344	4 0407457	1 4550501	1 183612	0 9978774	13178935	1.4610274	1.0580602	1.0160569	1.0772231
Phase-1 RCT-204	0.8572375	1.02/5985	1.0440515	4 4440253	1 3896593	0.82467324	0.69875073	0.42264345	0.9613907	2682531	1.0649011	1.065487	0.9252749	0.91732895
Vascular endothetal growth tactor	0.50070000	1.0450022	2100001		2									
NADP-dependent isocirate derrydrogenase, cyusuric	0.78892183	0.78102225	0.6321428	0,5843289	0.5092659	0.98661834	0.98125565	0.9609651	0.37689868	0.5725113	0.6310725	1.3144648	0.97830284	1.1305422
DNA binding protein inhibitor ID2	0.7978227	0.63222593	0.78801686	0.8218594	0.72507495	0.9233253	0.73504585	0.89789665	0.563705	0.7830512	0.93960935	1.1943055	0.9417332	20084662
Glutathione S-transferase Ya	0.6763375	0.4772414	0.5963059	0.48975715	0.48902565	0.6624478	0.5919328	0.37291792	0.3956381	1.1242813	0./9/1206	0.5455841	2 104084	1 2420924
Epoxide hydrolase	1.1250393	0.8098646	0.90825754	0.6578536	0.70304734	1.127693	1.0516355	1.0508515	0.5971629	0.055500	1 0736802	1 4330099	0.9372641	1.0481755
Insulin-like growth factor I	0.89302063	0.8328315	0.802030	13493604	0.0103332	4 0340477	0.7774467	0 70451305	232204	0.64795554	1,1775637	1.0245727	0.9082961	1.8208201
Prostagiandin H synthase	1.44910/5	1.4/45031	1.012/0/1	0.77277054	74530604	O 76469046	1 0500064	0 98054004	1 089282	82 0.85195446	0.9703908	1,0867189	1.0760982	0.90765274
Phase-1 RCT-136	0.676720	0.0589767	0 9192205	0 7488168	0.7626508	0.77637273	0,6903927	0.77064353	0.7409734	1.104011	1.0355785	1.2646079	1.0368098	1,1527364
Phase-1 RC1-13/	1.0924107	0.9467882	0.8941123	0.8576363	1.0030769	0.8921992	1.0529245	0.99287933	1.0569252	221212	1.0084792	1.1431397	0.97659584	1,0250694
Henatic lipase	1.0804584	0.8628195	0.9872326	0.74332935	0.92831737	1,0038943	1.0069607	1.0208118	1.011057	0.86525316	0.77016344	0.94344044	1.08/65/2	1.27U023
Phase-1 RCT-164	0.73418343	0.9537615	0.8041027	0.80357546	1.0741017	0.9288551	0,6504867	0.8542461	1.0581346	1.0303494	4 3050232	1.1943003	4 0035412	1 1212537
Acyl-CoA dehydrogenase, medium chain	0.96038806	1.0035591	0.89880705	0.8442567	0.73735845	0.9499108	0.82758796	0.7308378	0/62/180	1.1045243	10740414	4 2028362	0 8811147	0 65859707
Glutathione S-transferase Yb2 subunit	0.7698092	0.8621273	0.8830419	0.7165104	0.5710593	4 0000004	0.65/5483/	1.7123842 1.057808	1 1773533	0 80850085	0 59685683	0.88903195	1.1740681	0.91625774
Carbonyl reductase	1.4050258	4 0044386	0.95860973	CROSTAN O	0.6397359	0.4713597R	0.7877609	0.6025338	0.8034889	1,23368	1.1419321	1.1667769	1,0405778	1.0250632
Phase-1 RC (-166	0.68798774	0.8104478	0.89747447	0.8701529	0.7808045	0.4423987	0.88572824	0.8566158	1,0026731	0.65420528	0.77228357	1,0897169	1.134147	1.0731353
TIDE class and conference	0.6649113	0.5325595	1.1466808	1.0354674	0.9876601	0.6680541	0.93199253	0.45093	0.70457554	0.93475044	0.9478754	0.9966891	0.9250507	0.915441
Glutathane Stransferase P1	1.1185664	0.90273637	1,3348926	1.3311276	1.5336167	0.67339134	0.61567366	0.54538125	1,2248483	0.72527283	0.875055	1,1307288	1,2555/03	4 0240027
Disuffide Isomerase related protein (ERp72)	1.0466859	0.8659744	0.91907597	1,2035999	1.2277021	0.7581579	0.8370535	0.9051936	0.32583636	0.72115844	0.6961803	1,43/835	0.9400919	1 0781832
Ribosomal protein L13	0.6364133	0.8969912	0.88923355	0.8327424	0.89910823	0.5216337	4 270575	4 2282524	2 330124	2 08922	2.035327	1.0025058	1,2000355	1,5199785
Ceruloplasmin	1.0257492	1.046/638	1.615053	1.6121434	2.1330#UB	1 1960512	1 9366318	1 6499678	1.8896604	2.5549588	2,5016444	1.2440804	0.98574746	1.8302128
Inter-alpha-inhibitor H4 heavy chain (1914)	1.143330	1.211300	2.4100112	1,001,001										

											, 100001	11000000	10000000	0000740
Phase-1 RCT-3	0.9249347	1,036051	0.9514012	3932086	0.9483882	1.0373192	1.0555747	1.1278121	1.0392123	1.03/4925	1.01382	1 254485	1 0377696	1 789487 B
Fetuin beta (Fetub)	0.5530327	0.81741166	0.9333621	0.7504538	72925186 0	92497148	0.975/356	000000000000000000000000000000000000000	1338038	1,000	0.0455883	4 0205240	0.8217411	0 883624
3-hydroxylsobutyrate dehydrogenase	0.8198423	0.93343145	1.178766	0.8947917	0.9209628	1.0179007	0.6164148	0.86/8145	CRI FOCA O	4 6436505	1 2407478	A CORPORATA	0 9040483	5433855
Carbonic anhydrase III. sequence 2	0.4570282	0.59746313	0.75339115	0.48167214	50239176	0.8393086	0.0206009	19///186	0.7767383	200000	0 4431410	4 2554550	0.0722441	0 939405
Dheen BCT-10	0.8080866	0.95553493	1.0135771	0.7530793	0.7370304	1.0101236 0	85776204	0.9322869	0.8491961	0.6460841	0.6/98434	1,2334003	0.5122490	CLEGO773
Alaba,2-microdichidin	1,2189186	1.8916727	1.3037729	1.6666965	\$	0.7357066	0.6764157 0	53229684		1/263033	1000001	4 00000	9704076	BC04008
Denomina 1 (March)	0.8870896	1,1909909	1.095952	0.7834551 0.843000	0.84300023	1,0817142	1.0426508	1.0562241	81	00/45799	,03/22/80,	200000	0 00000	70738304
I ved addaea	1,0913305	1.0428218	1.1039872	1.333998	1,2841523	1.0295924	0.8799892	0.9881112	0.9352188	188 0.66950965	0.7888818	4.6500000	0.0003000	8054403
Phase-1 RCT-252	0.8562387	1,3124163	1.462683	1,0615739	1.1647084	0.9017847 0	0.76552904	0.94341	12301222	1,1020,000	1. 1023 132	1 0470573	0 9984197	1 0605543
Phase-1 RCT-29	1.2194675	1.2416867	1,3243107	1.213291	1.4295815	1.0718393	12221	1.3004302	, and 4 1027	2 445765	1 0803415	1 1979089	0.9285213	1 2901675
Phase-1 RCT-278	1.1561931	1.1426792	1.2783904	1.2414888	12104/36	1.5/6286/	1,0074207	1.0142230	4 4271R45	1 0525367	1 0549589	1,0208912	1.0468534	1.0756714
Phase-1 RCT-42	0.9975127	0.9797118	1.0616513	1,0384283	1.01065//	1,016/3/3	1004301	4/714100	4 0040000	0.0565304	1 0453544	0 93109584	1 0212674	0.9638942
Phase-1 RCT-25	1.076348	1.1898122	1.1860323	0.9077231	1.1410824	1.002.5221	1.1263199	1 1420003	0.674433	2 3866055	1 6461371	0 93302596	0.6169055	0.8773502
Cytochrome P450 2C11	1.971347	1.2456775	1.3073006	1.204719	1,5699837	4288025	1.3403373	1.1000014	00443430	1 1151874	1 1163477	1 1980352	1.0448624	1.0792296
Phase-1 RCT-202	0.8385338	0.92687035	0.9066589	0.9170385	0.855657	64225245	comess.	0.8343004	4 7244004	1 5417743	1 2777627	13055404	99115694	1,3178564
Complement (actor 1 (CFI)	1.0654101	1.0660443	1.1695677	0.9729175	12522231	1.0434054	12344003	1.000000	1.621620	4 427227	4 4 60 60 4 8	4 09B7715	1 0703213	1 0665827
Proliferating cell nuclear antiques gene	1.9752729	1.0997511	0.99672496	1.1767169	1.1330311	1.0434937	1.0/35391	1.1463014	1.4021024	1751351	1.45000	1 0087115	1 0375614	96843946
Activating transcription factor 3	12708017	1,3001816	1.1631835	0.9209164	1.0283355	1.0802057	0.84024376	0.7914349	2.0199034	1.80408924	4 4674774	1 0731188	1 142466	1 2192831
Focal adhesion idnasa (po125FAK)	0.9100221	0.85174865	1.2039348	1.4319284	1.5430435	1.0872172	1.1564238	1.0/12/08	1.2033/20	1,320,033	0 0070002	1 068664	1 1137966	1 0042347
Phase-1 RCT-289	0.7975212	0.96343344	0.81087947	0.7658076	0.7665552 (.64396393	0.813585	0.6244113	0.8772633	0000000	4 05 40 50	4 457200	4 0334194	1 0200772
Dhoco 1 D/T 250	0.88557935	0.89572924	0.8491761	0.986417	0.93825346	1,23419	1.1820986	1.1967771	2	10435503	1,000001	1.1323000	4 2220233	4 9205347
Incomerone planest bladfor omtefo	1.0185213	0.8791832	0.80490303	0.70096076	0.72017515	0.8801966	0.807871	0.7562185	3924	0.69607514	0.76895344	1.1788101	00440430	1 4055077
Marie about professo DT4 A4/6 shibs chain	1.0510402	0.9529482	0.9644675	1.0865027	1.0817662	3.46114555	0.420739	35600632	0.61856437	0.923338	1.2151350	1.100003	0.31.0350	0049755
MINCHESS LEMINGELL N. I. A. I.	1 2398298	0 9370335	1.0018082	0.8994895	0.7495004	99702233	0.95374256	0.9137052	1.178748	12841989	1.3753389	0.8361279	1.1/2003	10010100
Aly suitaransease	4 4581032	0 0642607	775654777	0 83308136	0.75641384	39142313	1.0656381	1.02301	0.9347756	0.9528496	0.87977904	0.9355029	1.000938	0.9053388
Phase-1 RCI-1/1	4 0005033	0.35C86A	1 0106177	0.88166034	0.78812546	0.9151854	0.802589	0.6782862	0.6517366	0.89251816	0.80724037	24037 0.96691006	0.7369924	0.7605316
Phase-1 RCT-83	1.0033332	0.04230004	1.015010	500000	0.49297433	0 9225681	0.6227818	0.6781825	5 0.33126304	0.45158434	0.4183378	121691	0.7282107	0.7656892
Phase-1 RCT-270	0.9581122	0.547.57.07	0.0001000	2000000	4 444405	5,007	4 0420502	10323715	1 0450373	1.1917084	1.1750076	1,007549	1.0721819	1.103532
Colony-stimulating factor-1	0.8466254	1,0353806	0,144,100	0.3000303	0 6746543	2 0 81068564	1 60062754	0.7812349	1.0554764	0.9597681	0.9149538	1,2623395	1.0024583	0.8946496
N-cadherin	1.2758848	0.0001383	0.04400074	0.02002010	0.6072225	1 020541	1 0185287	1 0013835	0.84212846	0.7095714	0.8033183	1.0436167	1.1313335	.81458294
Phase-1 RCT-62	1.074153	0.978332	0.811263/4	0.0010122	0.031222	1 000000	100436044	4 DARRATO	1 0405418	0.BB562244	0.98741376	1,1236544	1.0713679	1.0287424
Phase-1 RCT-22	0.9967092	0.913/41/	0.88411875	0.33421030	0.37270	1 1000144	1 0036389	1 0939/16	11195611	1.174079	1.1561028	0.8158385	0.9182785	0.8884725
AT:3	0.9508445	0.3756364	03054300	4 00/00/	O GENETICA I	00142313	1 0088214	1 0912548	0.7485744	0,8830207	0.82156986	0.86627406	0.9190651	389990338
Phase-1 RCT-16	0.6855822	0.387 15020	0.9000400	0 04055464	0 034452	4 0232630	1 0059107	1.099863	1.0566293	1,0515664	1.1778936	0.8836514	1,0060465	1.1400163
Phase-1 RCT-123	0.000/439	0.001150.1	0.05004435	O BOAROZA	0 719292	1 0097575	1,1165049	1.0141394	0.38900307	1,3137323	1.078493	1.1770724	1.0427134	1,0323367
Phase-1 RCT-66	3753400	0.00	200000											
Equiprative narocenzy unconcerneder Salve	0 0013607	0.80588757	0.87213606	0.82790935	0.546923	0.9514062	0.94920176 0.92310554	0.92310554			0.67128503	0.9898138	0.71837886	0.6945/394
nucleoside transporter	4 6262006	4 0636244	0 939674	1.148448		0.95834844	0.91169274	0.92805856	0.9987147	0.73914886	0.87043333	0.6600842	1334428	7.87.9428/4
Caucose transporter 2	2 07E1139	0.7170652	0.7861613	0.769724	5774	-	1,3352545	0.8973269	0.5802147	0.91196966	0.8525931	0.99346334	0.9708438	0.6572880
Muldorig resistant protein-2	1 3268613	0 96435547	0 9234137	0.9537229	0.9532058	1.0058493	1.2900062	0.89555675	0.6606436	1.1829144	1.0598793	0.9509723	0.99766105	0.9677067
Mutang resistant process:	0 0504088	1 0461313	1.052115	0.9357837	0.9890877	0.46145636	0.55986875	0.45664486	0.68762255	1.0509773	1.0285716	1.2700055	0.92383904	1,0022134
Descend Delicational arcolling process	0.8427234	0.87552273	0.9859741	0.9718587	1.0888118	1,0780113	1.2495015	1.0538126	1,434312	1.1512388	1,358175	1,503/081	1.753411	0.7578423
fotograph beta-4	1.2095273	1,0830444	1.0991601	1.1294398	1.1155555	1.1128097	1.069401	1.1193123	12305082	1.1058883	1.004/030	0.002024	4 0000000	00340801
NADPH cylochome P450 cyloreductase	1,2797599	1,5128869	1.2491773	1.385452	1.1707333	0.8557883	0.57431984	0.29692343	0.62770605	1.0501842	Tester!	1.1/51/50 0.0540/400	7.000530	D R931297
Wafi	0.84548694	0.94547	1.0195857	1.1094478	1.1113455	1.0550512	-	1.0194924	1,532,1187		0.04247676	300	1 1414142	0 9837014
Endogenous retroviral sequence, 5 and 3' LTR	1.0707853	1.3162262	1.846026	1.0453918	0.96119255	0.9916824	3 6	0.8454708	4 2003063	0.9736084	0.00121373	1 0302026	26 0.92431897	0.9591799
Phase-1 RCT-53	0.99527264	1.0502623	1.1280972	1.2299859	1.0743561	0.9471433	1,1444704	4 0444054	1 57047R	1 0557725	0.8896845	0.6719491	1.0960718	0.99585515
Phase-1 RCT-54	0.9357059	1,072631	0.9364405	0.9630543	1,1056488	1,0434937	0 79C4E40	0 8042284	1 3830731	0 6441846	0.74299884	0.6188745	0.983936	0.8432844
Phase-1 RCT-240	0.9971702	0.9529488	1,005/800	1,10354	4 2445843	0 9642846	1 0058416	0.98721576	1,3806041	1,6071543	1.0900782	1.1077042	1,0106064	1.1471614
Osteopontin	1.1609331	1.0315027	4 4062436	203238580	0 74368453	1 1091138	0 9446178	0.9850354	0.7242352	0.59993505	0.64277697	0.8852335	0.919566	0.80177116
Organic anion transporting polypeptide 1	1.1335462	0.827.007	1.1002120	4 4305952	4 8255878	4 0454589	5966966	0.9837421	5.654212	1,98988091	1,749256	0.81249326	1.1304406	1.180591
Phase-1 RCT-241	1.1926/4	1.331400/	4 5307786	4 6351250	1 674982	1 1112761	1 2109942	1.1991698	1,3383915	2.529353	1,9000511	0.9431067	0.9577478	12131124
Tissue factor pathway inhibitor	1.204052	1040047	120000	2										
Cyclin-dependent idnase 4 milibilor PZ/Np1 (alternate	1,1720524	1.1643597	1.5471147	1.9315782	1,5103109	1.000369	1.0501326	1.0153424	12784342	1.0233909	1.0418609	0.97154117	0.822037	0.876618
Discribations	1,8377897	0.778610	Ļ	0.8930983	0.8957043	1.0602359	1.063962	1.0115839	0.6974841	0.69968847	0.6555115	0.6448533	1,004,000	0.0000001
Obsert PCT.49	1,3224815	0.8641396	1.1343693	1.2425271	1.5055528	0.9175289	1.1223683	0.9945773	2.5774262	1,3290167	13763185	0.88582536	0.0013033	0.00267.343
Phase-1 RCT-258	0.95599234	0.89933264	0.9772442	1.1169062	1,0341872	1.0310075	1.2600347	1.1315241	1.635428	0.9927698	1.1024528	0.0374843	-	1.134478
Phase-1 RCT-113	1.012719	1.1923268	1.4439217	1.4767612	1.6192052	1.0539241	1.284204	1.0625422	3.7080228	1,3/36894	4 0205477	201 125.0	4 1824812	0 81102437
Adenine nucleotide translocator f	0.9350799	1.0862268	0.9246067	0.9831308	1.0263469	1.1047156	9.237257624	1.0703609	11.0010445	25,622,055	17 93165	1 3237946	0.67857313	1.7090485
Alpha-1 acid glycoprotein	2.9805517	4.38441	9.137591	8.458867	11,920/41	3.5689748	3.2371979	0 87780017	1 6598336	0 7655388	0.9273519	0.5253408	0.9095501	0.9558851
MHC dass II antigen RT1.8-1 beta-chain	1.362895	0.784650	1.1650114	12/218/1	0.0020441	0.33313131	0.953230001	10001100						

Hypoda-reducible factor 1 alpha		22775	1 1231463	1 3231037	15328422	1.1827633	1.3144175	13974421	18198028	1,720945	508323	1.0460919	1,296999	12236713
	1.5540093	1.0225453	1.147573	1.0095788	ᆫ	1.0766586 0.98088783	_	-	1.5452443	0.6908268	0.7199276 0.69835913		0.9408387 0.85875654	85875654
	0.8891084	0.9924736	1,0589907	1,1113504	0,8891084 0,9924736 1,0569907 1,1113504 0,9916421 0,9843811 0,8003359	0.9843811	0.8003959	0.862396	0.862396 1.3839713 0.92381775 0.8802217	0.92381775			0.99945027	83896613
	0.91700786	1,0206978	0.8219173	1.0585451	[1206978 0.8219173 1.0685451 1.2605636 1.0278314 0.7681511 0.9173204 1.3284978 0.788039 0.7790984	1.0278314	0.7681511	0.9173204	1.3284978	0.7888039	0.7790984	0,5948366	1.0098038 0.81193614	81193614
enase, cytosolic	0.939825	1.181727	1,3058571	3,81307155	1,3058571 0,81307155 1,2336563 1,0563595 1,1708597	1.0553595	1,1708597	1.107557	1,107557 0,8352919 1,0493532	1.0493532	1.3237928	1.3057724 1.1475165	1.1475165	1.2614138
VL30 element	1 2242793	12147409	2,2318375	1.3275586	1.2147409 2.2318375 1.3275586 1.4606167 0.6316161 0.44247112 0.283984 0.84619063 0.5851381 0.8322301	0.6315161	1,44247112	0.2893984	0.84619063	0.5851381	0.8322301	0.8816562	1.4104764	1,3384132
Phase-1 RCT-189	0,7896562	1.092446	0.9712821	1,81622744	1,092446 0.9712821 0.81622744 0.88690434 0.40609485 0.693716 0.67521447 0.7303901 0.7444065 0.94839534	3,40609485	0.693716	3.67521447	0.7303901	0.7444065	0.94898534	1,3565552 0,92549455	0.92549455	1,05254
Alpha-fetoprotein	1.0644842	0.9523705	0.968397	1.0682236	0.968397 1.0682236 1.0904053 1.0238725 0.0942022 0.0563019 1.0366917 1.0744078 0.9560884	1.0238725	0.9942022	0.9563019	1.0366917	1.0744078	0.9560884		0.962091	0.9387491
Calorandin B	0.6729218	1,0284517	1.0000776	7,84241056	<u>1,0000776 0,84241056 0,7821339 0,4479208 0,9268713 0,8933473 0,9777202 1,1892201 1,0666932</u>	0.4479208	0.9268713	0.8933473	0.9777202	1.1892201	1.0666932		1.1207012	1.1579784
Tissue plasminoden activator	0.7198602	0.7199602 0.85243833	0.8027717	1.0023751	1,0023751 0,96428484 0,9739275 0,6208233 1,0168768 0,59531885 0,6091388 0,87084377	0.9739275	0.9208233	1.0168769	0.59531885	0.8091398	0.87084377	1,0144486 1,0354848	1.0354848	0.9918622
	1.1075903		1.0124573 0.9445821	0.9445821	1.0507843	0.9418199	1.1915747	1,1852629	1.038801	0.7901492	0.97435236	0.9416199 1.1915747 1.1852629 1.038801 0.7901492 0.97435236 1.0929234 0.96165937	0.96165997	0.961606
dina crotein	0,51160777 0,77178615	0.77178615	0.626709	0.626709 0.79400283 0.6426017	0.6426017	0.660324 (0.660324 0.66817936	0.5845874	0.6450135	1.1351274	1,5916806	0.5845874 0.6450135 1.1351274 1.5916806 0.97273314 1.1238414 1.4454544	1.1238414	1.4454544
precursor (Ambo)	0.8189741	1,0868597	1.1219451	0.8830591	1	0.8166157	1.183679	1.0573477	1.1516517	1.1287377	1,0052085	1.1516517 1.1287377 1.0052085 1.3381959 1.1201247		1,3000176
Phase-1 RCT-294	1,1759814	12549381	0.9269469	1,004305	1,004305 0.98595124	1.0451453		1.1303754	0.946296	0.767827	0.65625995	_	0.9638331	1.128869
Phase-1 RCT-151	0.9466732	0.9466732 0.79892266		1.0592104	_	1	1.3529938	1 2305436	1.7290697	1.8533093	1,7700725	1,2314713	1.0900884	1.105243
Phase-1 RCT-158	1.0291665	1,0901399	0.9626014	3,86114246	1.0291665 1.0901399 0.9626014 0.86114246 1.0317845 1.0179965	1.0179965	1,002978	0.9917209	1.2447114	1.2073209	1,0916915	0.7105289	1,0038648	0,8867755
Please-1 RCT-221	0.8851076	0,8851076 0,85913565	1.0952033	1.2028964	1.0952033 1.2028964 1.0389504 0.8833555 1.1491623 0.9875384	0.8833555	1.1491623	0.9876384	1,3006711	1,3006711 0.80617875		0.8524496 0.93935126	0.9652193	1.0064441
Phase-1 RCT-235	1.1892351	1.1892351 1.1344316	1.201602	1.3227752	1.3227752 1.2214118 0.9577521 0.95800143 0.97749907 1.2597756 0.89021685	0.9577521	3,95800143	0.97749907	1.2597756	0.89021665	0.9492635 0.86971253	0	1.001497	0.975085)
Organic anion transmorter 3	1.7519599	1,7519599 0,93863566	0.9598806	0.9235021 0.84227574		1.2088959	1.1004033	1.1683466	1.1004033 1.1683466 0.71216106 0.69156307 0.6420641	0.69156307	0.6420641	0.551485 0.95584077	0.95584077	0.6303137
Matrix metallonordeinase-1	0.7619056	0.7619056 0.90451527	0.9295906	0.8784577	0.982512	1.0788953	1,089761	1.1871523	1.1871523 0.79247904 1.3650472	1.3650472			•	1.1383064
I binary notibin 2 greaterent	0.753904	1.0566113	0.9267347	1.0035633	0.7409178	0,7409178 0,81143328 0,71562207	_	0.7668173	0.7725698	1.2641414	1,3224704	0.9773869 0.9788357		1.0485431
Phase-1 RCT-212	1,1934193		0.9503546	0.9503546 0.96762645	0.9860859	1.0212438 1.0061414	_	1.1609261	0.8633462	0.9230196	0.9230196 0.76086736	1.0761214	1.1818571	0.8673836
								-						
(1) Gene expression data for 6 hour timepoint are														
presented as mean ratio of treatment/control for all 6								•						
hour predictive genes (Table 18).														T
(2) Compound and dose abbreviations as in Table 1.														
(3) Individual animal number														
(4) Liver inflammation classification for compound-												_		
dose group at 72 h: yes-necr, necrosis observed; yes-												-		
both, necrosis with inflammation observed; no, no			_										_	
nistoparhotogy ooserved						1							ľ	
(5) Predictive gene (as in Table 18 and as Included in Table 26)						•								

Section Course for Date for E Have Deponded (4)			-				-							
Table 26. Expression Lead to Thom Trinspount 11				П		П		, ,	¥ 0.34	000 000	000 000	000 808	RRR 800	RRB 800
Compound-Dose (2)	THEO 100	THEO 100	THEO 100	ANIT 60	ANII 60 1	53	151	152	8	2321	8	S	5	2332
Animal Number (3) 11 Iver Toxicity Inflammation Classification (4)		OU COUR	90				-	_	-	ves-both	yes-both	yes-both y	yes-both y	yes-both
Gene Name (5)		,	4 0405507	0.04050400	A 620734 K	79640786	1 2202267	1 1150937	1.2667177	10.201994	1,949942	1.915724	1,3218093	2.7499552
Insulin-like growth factor binding protein 1	11,386036	1,857 7005	0.8543842	0.88276047		0.92943305	3.8833592	1.1859112	2,222405	1.0996547	0.83416164	0.82857805	1.0651655	1.0922648
Caldina	3.7597053	2,3545673	1.0720751	1,331713	1.2711399	1.1695328	1.0013629	1,0964643	1.1761646	2,1182606	1.8631449	1,525,7095	0.9941691	1,561438
NPK	1.2178138	1.0404977	1.0693463	_	12684283	0.9513855	1.4134004	1.1481261	1.4247699	2,3261423	1.0631547	1 8087747	1 7044300	1 7731409
Cathepsin L, sequence 2	1,6367413	1.6378412	1.9477276	0.7312754	0.88034075	0,7271667	1.1740044	0.9/93854	4 40487B1	2 44 105 18	11 530977	10 655806	2.40087	25309384
Нете охуделаѕе	3,2060776	5.717468	2.1466641	4 0625726	1 041224R	0.920573	1 2342706	1.167453	1,2091409	1,5408211	12541593	1275519	1.469945	1.3869876
Phase-1 RCT-109	1.1545151	1 0301375	0.81485045	0.96213347	_	0.82058704	1,0999347	0.8397775	1.0124218	1.602952	1,2665044	1.1079321	1.3821177	12617204
Phase-1 RCT-111	1,0130103	4 7240808	2 CR2R123	1 4339882		1.6668192	0.9160447	1.2249084	0.9155895	4.6747584	2.257461	2,1613784	2,7580504	3.6661165
Argininosuccinate lyase	1 413663	1 393211	1.1975	0.92072225	0.97535926	0.8273525	1.0530833	1.0640851	1.0091399	1.4777658	1.1284443	1.1373053	12110134	1.0501603
DNA polymerase beta	1.003415	1.0565971	0.8328757	0,89453125	0.91497284	0.82470405	1,0640965	0.9350764	0,9930645	1.7624146	1.3572998	1,2384428	1,4785945	12/65/28
Ribosomal amiein S9	1,4162142	1.8436773	1.5796254	1.035193	1.1120381	0.86018544	1.153739	1.0008385	1.027664	1.9821272	1,0320989	1.4300666	1.2304335	1,0034010
Phase-1 RCT-114	1.3025768	1.16233	0.90192217	1.0729134	1.0273987	1.0098145	0.02729185	4 2000248	1 2805520	3 1092436	1 6220695	1 5565863	1.415154	1,8251929
Phase-1 RCT-15	2.2042453	1.7152029	1.8299277	1,002465	4 2300837	1.0735321	1.5103047	1.1140451	1.6523249	2.151789	0.88087505	0.92157006	1.1774691	1,1530933
Macrophage inflammatory protein-2 alpha	710010570	1,00200.1	0.332.401	2001									, 4400000	Love
house (PC3)	4.0344834	1.3795621	0.8526026	0.93514025	0.9743493	0.885854	2,5086343	1.6741941	2.6233454	1.7038462	1.0966/72	0.3887.206	1.1330002	4 7765647
Phase-1 RCT-191	1,0888357	0.86022013	0.7840951	1.5742143	1,7491634	1,3382784	1.0467099	12033802	1.1286451	1.1025/12	1.7655634	1,82336/2	1,2001203	0 828604B
Phase-1 RCT-63	1,5247805	1,5182159	1.4915266	0.90630245	0.9408319	0.8635248	1,0358357	1.0341281	1.0489249	0.74006295	0.76715083	0.00040000	0.03264264	0.0200340
Cyclin D3	1.4216951	1.2506069	1.5300031	0.9288254	0.88701653	0.8483955	0.982979	1.0074925	1.0550458	1.2984666	1,92324317	4 4502402	4 34 48787	10735261
Phase-1 RCT-108	1.0740281	1.0007329	0.8557837	0.85402596	0.9669658	0.89457124	1.0181667	0.94672617	0.972/332	1.3804483	0.0000000	1 0018475	1 1090R19	0.8441923
Phase-1 RCT-56	1.5900214	1.4347757	0.99100304	0.8222793	1.0398464	0.8231025	1.2598821	1.0355311	1.7050021	1 2891799	4 0259599	1 1030385	1.2072722	12071022
Phase-1 RCT-192	1.0365897	1.1588806	1.2053989	1.1351922	4 2574426	1.020/430	1,0527001	1 1846697	0 97676757	1.9877325	1.1161382	1,232,7073	12577907	12701322
Phase-1 RCT-75	1.2522854	1.2295071	1.4222938	1.5138586	1,35/1436	1, 1090391	757091730	0.88923885	0.61639297	1,1107398	0.8904163	0.82446915	0.8188807	1.0256019
Acetyl-CoA carboxylase	1.2608329	1.5450202	2.U34770	1.0562146	0.98517615		1.0716987	0.95789504	1,0155389	1.3486812	1.1155789	1.0488654	1.2089784	1.1890023
Phase-1 RCT-95	4 4854323	1 261409R	1 5499185	1 2227126	0.7890142	0.8566539	1.0785185	0,9170261	1.0299388	1.5821314	1,435276	1.7481698	1,3743266	1.1718868
Cystatin C	2 1705317	2 4710927	2 0702784	1,1491555	1.02307	1.0143225	1.6574907	1.2052785	1.6079613	1,3364066	0.9298994	0.9409059	0.91597784	1.0552372
Phase-1 ROLL-13	0.73913896	0.86610514	0.808419	1.3044343	1.127832	0.8672546	0.9004484	1,0782363	0.9319375	1.6145341	1.0510784	0.9545476	0.9198136	1.1702697
Gadd45	2.5452342	2,27,20706	1.2685205		0.8540667	0.5859734	2.0279684	1.2584152	1.7730714	1,966831	1.8286704	1.93492/3	1.105/33Z	7.030004 1.4906984
Phase-1 RCT-156	0.89140385	0.8248524	0,6817462	0.99704826	0.94696355	0.89962465	1.0177773	0.9505418	0.3838/300	1.320304	4 2700/24	1 50574	1 4380305	1 2527637
Cofilin	1,3378954	1,3700176	1.1968418	0.9968368	0.9875792	0.9787256	1.10/3003	1.0/36/2/	1.1149438	4 4E0R772	0 9363015	0.9695395	0.7510293	0.8722803
Phase-1 RCT-127	2.0728037	2.3874643	1.6279389	1.0634774	1.1456012	1 2832083	1 2812387	1 0736232	1,4281094	0.78065294	0.83627045	0.86237624	0.9778156	1.0300423
Macrophage Inflammatory protein-1 alpha	2770775	1.12/1933	1,0905105	1 3638667	0 99893516	1.0269728	1,7115605	1.1299456	2.0643866	1.8229138	1.0273241	0.97853314	0.8991521	0.85606587
Zinc finger protein	0.581481	0.7147318	0.8293513	0.80072814	0.9510467	0.85911465	0.89744717	0.97134256	0.8946707	0.92532873	0.9835848	-	1.0010222	1.0421593
Cutamine synthetise	0.6917988	0.7057206	1,2005938	0.83846486	0.8188794	1.0502946	0.9870188	0.8643474	0.9600273	1.0386727	0.870734	`	78100100	0.58765584
C4b-binding protein	0.82856464	1.2686068	1.0474222	0.5506674	0.61510855	0.6679841	0.8031535	0.9076655	3.07705415	0.095914	0.72033394	-	0.7526717	0.97855335
Phase-1 RCT-242	9.1628475	2.615471	1.2044868	1.2616093	1.0942544	1.1550943	2.3450116	1.0133030	2 4035218	0.9652636	0.7723147	-	0.78913235	0.87706083
Phase-1 RCT-50	3.4928575	1.7231	0.9065522	0.000000	0.8516285	0.8428534	0.8776314	0.876751	0.8144835	1.8239547	1,4228185	1,4122667	1.6975929	1.3356714
Eongation factor-1 alpha	7 585418	1.1322203	4 206R57F	0.9906036	0.98908454	0.8913259	1,4203438	1.1860901	1,4045798	1.3656108	1.033444	0.8836152	0.9321238	1.3583691
Integrin betail	1.3869332	1.4184054	1.3682599	1,2667899	1.10721	1,0855429	1.2901478	1.1320866	1.392083	1.4250476	1.6097492	1.4051615	12838614	1.8357131
Phoen-1 RCT-59	2.2288082	2,3831477	2,4686112	1.0277864	1.1726079	1.0952358	3,4990766	2,2734041	3.0521646	1.937449	1.0248809	1.0004387	1.204220	1,034485
Phase-1 RCT-76	0.9225986	0.8838699	0.84818417	1.1227506	1.0176704	0.8919398	1,050791	0.9049745	0.999659	1.361/9/	1.1545369	1.030434	1 2707413	1 089117
Femilin H-chain	0.70442873	0.7879279	0,6523632	0.670822	0.7071592	0.6641246	1.0350752	0.9749754	0.3632173	1 46586	1.3584748	1.4076483	1,2605688	0.9467471
Selenoprotein P	0.34970835	0.5078264	4 400075	0.07.0000	0.3002333	0.88437104	0 7480864	0.8664768	0.860772	0.927706	0.8757946	0.9036363	1,0112635	0.97138774
PTENAMACI	0.3414047	0.42R7E858	0.4825275	0.953472	1.0031888	0.9564763	0.5124366	1.0846788	0.5194139	0.7905642	0.87609667	0.86477107	0.7188382	0.7223442
M836-1 RC1-214	1.0097594	1,0409875	1.1912842	1.1083728	0.9593536	1.1669443	1.1190605	1,0104545	1.2489763	0.5719691	0.65437794	0.6191267	0.620996	0.9946391
Thuriddale swittese	1.0648315	1,011496	1.096015	1,0404687	0.953401	0.9762096	0.961453	0.99888664	0.9293894	0.930247	0.86690944	0.7892/416	0.6/61102	0.03/6932
Phase-1 RCT-13	0.9278798	0.4244282	0.49410808	0.3221814	0.8140852	0.7533463	0.54402333	1.3198371	0.9651977	0.5412063	0.48835106	0.2014/303	0.7931277	0.6928482
Nucleosome assembly protein	0.55052924	0.53660136	0.644342	0.5589454	0.7303363	0.89/10//	1.00/365/	0.90015588	0.92551064	0.6607 001	0.6468103	0,63293487	0,60963637	0.8315015
Cholesterol 7-alpha-hydroxylase (P450 VII)	1.100396	0.91440403	4 494430	1 08016940	0.0110930	0 9364712	0.9980787	0.9927154	1,0199537	0.6103329	0.64390707	0.60705435	0.61712325	0,5997713
Vesicular monoamine transporter (VMAT)	1.60/8196	0 87872034	0.056435	1 0959499	1 0046878	0.95505667	0.76102376	0,8850026	0.85774946	0.5937711	0.74726635	6 0.6852415	0.6986651	0.74581635
Phase-1 RCI-zeu	מיניטטטייי	0.01 01 600											ì	

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Phase-1 RCT-32	1.2863635	1.0439066	1,3560437	1.151589 (1.84317297	0.7733747	0.9176187	0796742	0.0939100	00307015	0.8245078	0 7979984	73774487	0.9447839
Peroxisome assembly factor 1	1,7359122	1.2757046	12550901	1.0622368	1.0859789	1.089/624	0.7213864	96185327	1.0034939	0.6756716	0.7544018	0.6896413	63575935 0	83413905
8-coguanine DNA glycosytase	1.0/16525	00/00	1.1130/1/	20033	1.113000	4 0070032	1 0705055	1 0376211	1 1337601	59305936	0.7070903	0.6693354	0.6598871 0	78698266
Phase-1 RCT-82	0.8659267	0.83301284	0.6465363	1,0133973	0.0000	0 7855884 O	R0875394	0 9894617	0.7756704	.B2329124	1.0376884	0,8445428	0.8626418 0	.85827833
Matrin F/G	0.28512594	02/296277	0.38/614	4 69231313	0.5/05/5	1 0097971	1 1024449	1.043017	1,1035422 (75642836 (98439254	3.88932306	0.8401442	0.8673105
Phase-1 RCT-184	0.30277347	0.000,000	0.000010	4 OC3867B	1 0535724	0.9803076	0.5115341	1.0012994	0.8087013	0.6199149	0,8662243 (0.71775436 (83274233	.76481676
Phase-1 RCT-168	1 105000	1 2504584	1 7888018	0 9939791	0.7619197	1.2791598 0	.80648935	0.8496223	0.8126093	1,5167423	0.9695211	0.9043258	1.0774713	0.9988262
Phase-1 RCI-119	1 0279509	1 0823847	1.2081765	1,0964843	0.9674523	0.9282881 0	.75565535	0.8069845 0	0.62739295	0.5391412 (58451136	0.64662 (0.60768086	61635074
Carbonic annydrase II	0.59797704	0.695626	0.87887585	0.9363961	0.8669578	0.8997998	0.9653761	0.847791 0	91199446	1,0093024	30647286	0.0556363	CECCOCE	4 6476622
Phase-1 RCT-71	1.6052722	1.339217	1.6004844	1.0752836	1.0823491	1.182517	0.8397183	0.8922937	0.8672417	2.18/869	1,2599300	1 8423255	7396343	14186548
Phase-1 RCT-179	2.4692686	2,7024078	1.8806285	0.9614799	1.0280399	.80144954	1.0242791	1.1450386	0.3611622	40224497	0.5180843	0.590184	0.6719332	53131416
Phase-1 RCT-161	1,0039079	0.94063884	0.9734567	1.0530261	1.0164492	262610,1	2 4066828	132/3/14	2 4182445	1 8528723	1.177977	1 2360849	12242993	1.4681867
Phase-1 RCT-207	2.0221515	2.1250558	2 0207424	1Z380Z15	1.2850202	1.2828300	4 5405555	4 254806	1 3610442	19757348	1 1850276	0.88535744	1,1040978	1,3341564
Phase-1 RCT-144	2.119773	2.3132586	1.723948	1.083639	1.2561976	0.9539/14	1,0485060	0.0470515	1 0442888	60122095	19104548	1.4262059	0.47682807	0.3967885
Phase-1 RCT-225	2.0354884	1,5642136	0.78742784	1.3692/46	1.1/04330	4 704670	58353037	10121319	95427924	73909307	1,1130149	1.0533737	0.8720703	37229115
Cytochrome P450 2E1	0.6134111	0.7337926	0.785265/3	1.1003274	02/2302	4 4460447	1 245004	13496997	1 3741778	0.9345724	0.95370394	1,2841669	0.9230764	0.9700647
5-1	1,562615	1.5134432	1,0301040	0.004505	CA42440	BO071276	99341887	1 0377915	1.1050999	1.2181594	12365285	1.1742849	1.1787622	1.0091839
Thioredoxin-1 (Trx1)	1.04.348003	1.233/330	0.0400403	0.76324745	0.0670762	1 112431	0.5522181	0.5810199 (34409008E	0.29802302	0.15775749	0.36040103	0.588479	1,22538786
Carbonic anhydrase III	0.09525/46	4 0737746	1 08894	1 2223126	1 1630431	1 0988894 0	0.97715557	0.9850858	0.9435057	0.8019872	0.9105543	0.8984603	0.8423742	386567146
Phase-1 RCT-140	0.9076645	1 136751	1	0.77127045	0.74259955	0.64919555	0,8243665 (76436394	0.8663367	1.3973765	0.86614084	0.8283125	1.0385121	0,71872723
Complement component So	0 227 18303	0.22319907	0.325073	0.8831044	0.37406287	0.6822068	.45279574 (.96783817	259569466	0.45168614	0.62466174	0,5576909	0.7203733	1,397 19003
Dhora-1 DCT-173	0,53699034	0.56089324	0.7333849	1.4942459	1.1185648	1.5702301	0.7969481	0.9305484	0.9491417	0.7121516	0.866669	0.8906262	0.8112478	0.8627664
3-mathdadenine DNA choosalase	1.3799967	12216369	1.0408667	1.0718043	1.0632485	1.1471024	0.8936491	1.0315224	0.9602465	0.7465311	0.00237134	4 05007734	4 9500574	1 7225705
Peroxisornal multifunctional enzyme type II	0.658994	0.8394799	0.8796246	0.6359806	0.98447164	3,86706966	0.9150877	0.9209869	0.846/92	1.9845956	1,933/301	10184052	0.99027276	0.8077492
Phase-1 RCT-40	0.4853818	0.5585729	0.59639555	0,71843165	0.71157825	0.7585074	0.73/313	00032303	78448787	69046997	0 63439333	0.6644554	0.5913708	32951182
Senescence marker protein-30	0,25026906	0.30053934	0.3606139	0.69721407	0.7086856	1 0000018	3 858344	2 4275037	3.877533	1.0329841	1,0828401	0.8815802	0.6840803	1.3927739
Cyclin G	2.2264364	1,9064409	1.5431/88	4 4503009	0.9/014003	1 0003377	1 2832724	1 07 46332	1,3415979	0.69286543	1.1768833	1.1099268	1.0548519	1.1472411
Melanoma-associated antigen ME491	12712712	1.3453333	1.1431388	1.1503020	4 MARKER7	093758285	1 0409671	1,0098525	1.0531511	0.75400424	0.7597331	0.72094095	0.87411843	0.8603621
Phase-1 RCT-28	1.046503	0.8913271	0.00000 o	1 0724193	1 093064	0.982335	1.0125816	1.0449198	1.03981	0.898049	0.8360968	0.8904551	0.8565506	0.9428818
Emerin	0.847.0301	0.5017195018	0.86061025	0.50367177	0.48758432	0.5776422	1.0825635	0.8581436	0.848854	0.8367958	0.91361827	1.4696511	0.72283304	0.5195839
Stan cell forther	0.39381477	0.5186146	0.5154229	0.8351924	0.80079305	0.6740239	0,74144495	1.0372766	0.90118307	0.79425645	0.91805583	1,3932098	0.0559003	4 1151508
INK1 stress and caled profess kingse	0,48332104	0.53869396	1.2542062	0.75581247	0.5868684	1.0492703	0.70668423	0.9237688	0.7441603	1.1206342	0.92031974	0.05430414	0.5501835	0 8084186
Protein tyrosine phosphatase alpha	1.0898191	1.0925637	1.1685536	0.9388281	0.8959853	1.0310825	0.78728044	97809416	4 4004004	0.5/193003	0.80965066	0.76813054	0.8103089	0.7867369
Phase-1 RCT-55	1,3403332	1,5320877	1.5006536	1.288858	1.2538329	0.93294847	1.043381	1.0038830	1.1921021	1 6548676	0 9269145	10741147	1 226962	1,094108
Ubiquitin conjugating enzyme (RAD 6 hamologue)	1.4229134	1.7556481	1.4431288	1.0594631	1.155.5523	0.97/1903	0.8132612	0 89540184	0 9034812	1.0616039	0.8123445	0.7682843	0.8117516	0.83882326
DNA topoisomerase I	1.1016858	1,3263638	70533064	0.0403000	0 90090383	1.0330125	0.94678	1.0272999	1.0607578	0.95340014	0.8615733	0.8786874	0.81892294	0.8114135
Phase-1 RCT-280	0.6331228	8 430987	2 6703746	1.051313	1,0466814	1,0973539	1,1368082	1.04943	1.1317236	1.6784772	1,2597113	1,2338262	1.0899724	13784454
Refathfull class I	0.8522539	0.84730583	0.6011008	1.1133955	1.4442486	1.0395551	1.202307	1.6354953	1 2386514	1.1412523	1.3404366	1.4790530	2 2768931	1 R908335
Cartamy phosphate synthetase I	1.1242747	1,2833863	1.8289906	0.9278763	0.7007986	1.33171	0.5926893	0.67888874	0.5606157	0.0463750	0.8058787	0.80052626	0.9452756	0.999121
Diacylglycerol kinase zeta	0.94603074	0.997824	1.0638339	1.1401289	1.03944/5	0.8656581	0 86341406	1 1100342	1 2053295	2,855698	0.7038787	0.96631575	0.9641596	0.6216214
Phase-1 RCT-141	7.135/465	1,27,2024	3.74.33302	1 2637444	4 2885584	1 1688179	1 0184702	1.1252446	1,0234483	1,3050028	1,0551736	1.2210464	0.9777864	12110108
14-3-3 zata	1.4353330 4 £2207338	1.131400	1 7904348	1 3365846	1.3766286	0.86140186	0.66964066	1.3621364	0.7044736	1,4804174	1.242699	1,203527	1.6780851	1.2003117
Gamma-adin, cytoplasmic	1 1840187	1 2628536	1.0602447	1.0611742	0.98364013	0.83735806	1.1337094	1.074133	0.993692	1.52151	1.1396385	1.3989338	1.4078625	1.2625.25
Papasoma process Liber	1.1058717	1,0822744	12977197	0.8426331	0.8927244	0.8353011	1.2029779	0.91002476	1.1760598	1.2875332	1,2759454	1.0936/33	1,010835	1 1975101
Phase-1 RCT-65	0.4320325	0.41457424	0.38011414	1.1647984	1,3021673	1.1629522	1.2268347	1.1254463	123/6106	1.0818928	1.4504851	1.38898	1 3291215	2.0794258
oʻin	2.6571018	1.4275053	1.0407388	1.9909544	1.7620658	1,5192893	2.08403/	12/43/91	4 13/2000	1 7074419	1 7303934	1.72958	1.4581916	1.616117
Protein O-mannosyltransferase 1 (Pornt1)	1.0562338	1.029916	1.0601768	1.1908216	1.1333U46	1.1/44032	0.7783364	1.0555481	0.86110145	1.130067	1.9126804	12976148	0.9555399	1.1675782
HMG CoA reductase	4 001040	0.7635673	0.6/06/6	10764521	1.1992446	1,0396893	1.1422951	1.0599444	1.1237003	0.99063987	1,0148551	1,0405171	0.9353542	1.0033823
Phase-1 RCT-12		2.00	200											, 2000
Interecon reased developmental regulation at NO.	1287171	1,5135175	1.7927483	0.7127763	0.81366634	0.72271615	0.801223	0.84179425	1.0093904	1.5784473	0.87686637	0.9521281	1.1416252 0 6348192	0.5898367
Glucose-regulated protein 78	1,3154746	1,9799765	1.0250951	0.79633164	0.95822865	0.7500036	0.49939182	0.94512//	0.42/ /025	0.12931704	0.78077984	1 020451	0.8422508	0.584767
3-beta-hydroxysteroid dehydrogenase (HSD3B1)	0.62026036	0.6841856	0.790359	0.8352436	0.78515814	0.85/85089	0 9894584	1.0559884	1.1180794	1.0704948	1.151978	1.0238767	1,1292125	1,0856743
Caspase 6	1.0693247	0.75148624	0.76130323	4 0733370	0.90702103	1 0000198	14181015	11180694	1.9467065	0.7517752	0.83352387	0,7773873	0.75212264	0,80869126
Phase-1 RCT-169	0.45469708	0.5900407	1 1882805	0.77684677	0.8960972	0.8835461	2.0215065	1,587097	1.9994967	0.679455	0.95964074	0.85942656	0.781686	0.98144853
Phase-1 RCI-19/	0.31587252	0.338444	0.3596196	1.2312793	1.2677217	1.1349192	0.7083609	1.1385628	0.8522291	0.63878006	1,5861293	1,3183023	1.0276324	1.0787803
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Phase-1 RCT-72	1.1306155	1.1636096	1.092996	1.0972357	1.0255792	1.0620791	0.996435	1.0046988	1.1549696	0 042553	0.7733882 0	0.3389	0 9522002	1 0912663
Pyruvate kinase, muscle	1.425564	1.419108	1.49/2262	1 2382506	0.7263267	1.0067577 0	.64696574	0.7118555	0.6234717	0.9073028	1.0796701	1.1628942	1.0942631 0	79852635
Phase-1 RCT-289	0.23091042	0.33301/33	0.505050	4 001BEOA	1 1047269	1 0444826	1 0615205	1.0400698	1,2160925 (.59664065	74350864	0.7103221	0,6588119	0,7953083
Phase I RCT-90	0.00100014	6777000	4 4403040	72285925	0 R4285945	56799644	0.8313831	1.0290779 0	73934495	1,7634287	2.1759033	1.5541544	1.5351326	0.8703117
Cytochrome P450 2039 (atternate clone 2)	4 9630467	2 2460554	3 702668	1 316692 (0.82251954	1.8811027	1.21064	1.082768	1.4075311	1 2058234 (94435036	0.9886616	1.8056173	1,6445351
Phase-1 KCI-290	O DOSSIEED	4 0440448	0.0030544	1 D304724	1 1587076	1 1976112	1.0511178	1.0188569	1,197854	1.245656	1.0436075	1.1647286	0.9651847	0.9845173
Phase-1 RCI-261	0.000000	1 1007007	0 0703018	0 8022887	1175350	99489076	0 8373775	0.9917745 0	97639745	1,6579628	0.9266464	1.1574188	1.2349001	0.9436745
Methylacyt-CoA racentase alpha	0.68794993	0.84197855	0 86311156	524395	4.356156	4.0630703 0	73879296	0.9857336	1,3275459	0.8555166	1.0827372 0	3.82148755	0.7559773	1.010637
Dhoes 1 PCT-997	1,5855514	1.2440919	0.9691238	1.1832892	1,2629204	1.0546764 0	0.75474393	1.5565206	0.7014826	0.8612338	0.7272609 0	0.65851194 0	68259454	76010853
Monoamine oxidate B	0.40415886	0.47420132	0.8763289	0.7755916	0.6426202	1.0066754 0	.64813185	0.8776309	.69949967	1,9965488	1.2216712	1.1558134	1.1492333	1.1622/32
Phase-1 RCT-264	0.5477031	0.7163875	0.87044954	0.7661855	0.8704848 0.88962567	0.88962567	12360984	0.9997188	1,0841138	2.1039445	1,6591583	1.4155316	1.4/60632	1.0814364
Permissome proliferator activated receptor garrana	0.9407037	0.96347666	0.94021547	0.98087835	0.82669514	0.8610089	1.1919423	1.0771556	1.0876944	0.6912381	22004373	0.031303	4 0000433	4 0520407
Phase-1 RCT-143	0.80898196	0.9335652	0.9200354	609598870	0.8615436	0.8806122 0	3.88174178	91438358	0.8894692	1.2650608	1.1850061	4 5000004	CASSCEA A	1 4605386
Phase-1 RCT-251	12507234	0.99473166	1.0245615	1.3187885	1.1619955	1.1531903	7,75258523	0.9/31009	0.6364002	1.34363103	0.0070000	4 0347457	4 450022	0 9140217
Phase-1 RCT-117	0.414977	0.5429761	8		1.425031	1.2423332	1.00/728/	0.3706462	1.0239190	0.3003070	0.3240713	9034606	O REGION 27	0 8597491
Gtutathione S-transferase theta-1	0.5854065	0.7975663	0.83572155	0.97881097	0.84603775	968842	3415/334	1.1666077	U.B. Dood of	4 0074026	0.0122019	4 0554507	4 0042353	0 8782409
Phase-1 RCT-91	0.69382536	0.73775387	0.829826	1.0261432	0.93682444	0.87485373	0.8188382	0.6821581	0.90037614	1.03(1930	4 4000077	1.0304307 4.050585	4 1212002	1 2798517
Phase-1 RCT-148	0.4372834	0.48757267	0.71771383	0.98764205	0.93572116	1.1860427	0.8310041	0.873173	V.0030010	4.445560	1 2873513	1 3504R76	1 4705305	1 2739474
Phase-1 RCT-142	0.70470625	0.7619611	0.89791024	0.8802094	0.9240696	0.83704730	0.07652454	0.540570	1 0704607	0 9054281	0.7913597	0.8612908	0.7760974	0.8106731
Activin receptor type II	1.2520882	1.0382146	1.1019465	122/9/19	1.2600812	4 7203466	0.0000013	7169053	1 1952047	1 5694857	1 32479E3	1.7543013	1.9845762	2,3085272
Glycine methyltransferase	0.44961107	0.5558667	0.7645111	0,8148013	0./0438/03	77505005	4 001 3263	192234904	0 9561284	1 211824	1.0699513	1,0480566	13227127	1,037069
Phase-1 RCT-281	0.7754388	0.70920988	4 4053375	4 4374778	0.922220	0.0008767	0 950111	0.9774708	0.9743804	0.8515599	0.7984276	0.7483091	72711426	1,81427807
Citiary neurotrophic factor	1.1500203	1.2001.23	1.10002/10	1000	2000						-			
Gap junction membrane channel protein peda 1 (1901)	0.43588607	0.26364505	505 0.32212257	1.273461	1,2031487	1.0601085	1.4752136	1.0967467	1.2513859	0.6102872	1.9348408	1.3396332	1.5492929	1.9160479
Dece 4 Dot 06	1 1945838	1 0775385	1 0442026	1.2258453	1.0715451	1.0333042	0,9997181	1.0496165	1,0728508	0.7575879	0.78364134	0.7744145	0.7294781	0.7520881
Triase-1 RCI -do	0.721317	0 7420958	0 87714535	0.7684604	0.9359691	0.8276541	1.0164065	0.9006732	0.83726645	1.6417862	1,2579132	1.1991845	12757661	1.4070396
Phase-1 PCI-28/	0.46422666	0 593044	0.800343	0.6245376	0.8846462	0.8596166	0.8527829	0.8924298	0.8592623	1.9071511	1.8558291	1,6881598	1.7946575	1,3995363
Neuron-ariging Bolem (Nor)	0 R1044656	0 7456922	0 91457057	0.6064915	0.8313029 0.73	0.73725384	0.8937968	0.9016867	0.9237919	1.3071889	1,5575382	1,5723515	1.7164676	1.3248476
Very tong-triain edy-CoA synthetase	10056641	0 9220158	0.5466944	1.1035879	0.970146	0.94074523	0.8951083	1.0948863	0.9206497	0.49082947	0.62178147			0.8022761
Opplement	0.89704394	0.86631477	0.9818503	1.0219948	0.9957715	0.93840975	1.0432082	1.0211529	1.0943041	0.6094298	0.86907125	0.92505866	0.74235815	0.87480986
Descend DOT-146	2.1252637	2.1723237	1.6937224	1,0924786	1.1279496	0.9253208	0.8206026	1,0305809	0.87483025	1.6436093	0.97303474	1.2855297	1.2351346	1.1742638
Action	0.79872334	0.8115975	0.8611034	1.0368758	1.0151545	1.1227697	0.93022853	0.92827886	0.96577334	0.8540379	0.97461265	0.89023024	0.972/783	26/25/05
Phase-1 RCT-89	0.5453231	0.53864914	0.6521261	0.6234304	0.90658265	0.97347134	0.8038181	0.8106623	0.80978113	1,2224065	1.1873945	1.1631802	1.1313019	1.1250248
Samplasmic reticulum calcium ATPasa	1.1523994	1,4429387	1.2799648	0.8404832	0.7737302	0.81190896	0.6449171	0.80010104	0.7032686	0.9142339	0.73300304	0.0031003	4 704 4066	4 5570450
Ainta-2-macmorphilin sentence 2	4.1839075	2,5233362	2.715508	1.0809472	0.8669137	1.0587713	0.96427506	0.9734716	0.97349894	3.9010272	1,3892564	1.41409018	1./044055	1.65/0/68
Phase-1 RCT-204	0.8582717	1,0403843	0.99628437	0.9321955	0.91574204	1.0076454	1.3204478	1.1289903	1.3324735	0.96200585	0.92928475	0.91477837	4 0657094	1 2283028
Vascular endothelial growth factor	1.0194983	0.8317385	0.8090833	1.3544805	1.2860097	1.074715	1.0593156	0.9561297	0.98425305	1,2256968	136/326/	1,3501004	1,000/304	7,200320
NADP-dependent isocitrate dehydrogenase, cytosolic						000000		1000000	0.6424670	0 03454045	1 5300987	1 5082838	1,1711409	86546224
	0.22653377	0.23204927	0.42205864	0.96241254	1.0712386	0.9659200	0.0303973	4 3273043	1 0621303	1 0496547	1 576799	1 7824378	1.0165328	76935184
DNA binding protein inhibitor ID2	0.80597365	0.9582419	1.1440216	0.022000	1.0002334	1 2602196	0 78130835	0 90000063	0.62243927	0.9521015	1,8269354	1.2247102	1.1620347	1.471561
Gutathione S-transferase Ya	4.36311833	0.24540054	07 162160	0 5948383	2 1764839	1.4394163	1,3269768	1.0547556	1.0711443	0.6488224	1.154437	0.8970572	0.897823	1,4644626
Epoxoe nyarokase	750347	D 914934	8867/// 0	0.7057493	1.0052128	0.5375959	1,0054009	0.77736425	0.8055467	1.6836514	12143323	1.0166754	1.1280773	1.0894256
Decelarization H contrace	2 2 4 6 7 5 4	2 0235326	1.937981	1.0386198	1.2483485	0.8245856	9914	32	0.88534254	1.1252537	1,4452157	1.2815994	1.1291602	0.980592
Phase-1 RCT-136	0.4837547	0.5928881	0.64294773	0.9968352	1.0404873	1.067855	0.98995286	3	0.9596354	1.1706163	1.3221275	1.4024/83	1.2406363	0.7044769
Phase-1 RCT-137	0.5818089	0.942127	0.811585	0.7700804	0.8387424	0.94639325	39	0.90570736	0.87529916	1.084/1/3	1.0329431	0.9050677	1.1120703	0.00000
Phase-1 RCT-138	0.67271286	0.72875625	0.707145	0.9773584	0.91599864	1.0124159 0.9056	4 5	1.004509	1.19193/2	1.1223433	0 980045	1 040388	1 0581537	66394075
Hepatic lipase	0.7047539	0.75835204	0.71763843	1.0121894	0.95323354	1.00/9603	0.99568245	0.93000320	4 0745965	0 69145R	0 R7491314	0 8015348 0 8364	0.83645993	0.8184264
Phase-1 RCT-184	0.9278866	0.7969825	0.908474	0.9165927	B/967500 0	1.0/314	0.9742000	1 0055834	1 0041462	17155885	1 5560706	1,312305	1.4682772	1,3910766
Acy-CoA dehydrogenase, medium chain	0.7995/8/4	0.7393488	0.83210170	0.73027434	1 1552955	1 2760923	1.0835205	0.9962843	1.1779499	1,5166143	2.1237757	1.7591436	1.7777395	1.3945678
Gutathione S-transferase Toz supurit	0.3043233	4 0466173	1 1998419	1 3040087	1 234084	1,1313949	1.0743827	1,005292	1,0890272	0,8056814	0.9705353	0.94701123	0.79218596	1,0697061
Carbony reducase	0 70058703	0 7867908	1.0679948	0.9577842	0.7178823	0.9135807	1,0133913	1.0346686	1.0006778	0.6753864	1.1428063	1.6202288	1.3858429	1.950642
Aminomian E	0.8851826	0.8662529	0.9382716	1.6518234	1.3962342	1.4309906	1.1659422	0.92955685	1.0375022	1,1050973	0.97214895	1.1664267	1.0208557	0.8730222
2 Ind. of extraograftenchanges	0.41932914	0.35146396	0.7694781	0.5820472	0.60210687	0.72684467	0.71072745	0.792164	0.68305695	2,5961697	1,6771219	2,043923	1,8228165	12854927
Glutathione Stransferase P1	0.74691397	0.9078376	0.7788952	1.1876825	1.2616893	1,23038	0.8774866	0.7872	0.64037204	0.88875085	1.0382009	9028148304	4 2645049	0.020432
Disuffide Isomerase related protein (ERp72)	0.629092	1.1224369	0.63963157	0.67112243	0.91005915	0.778954	0.88335744	0.9612055	0.55983437	0.8456112	1.14/0145	4 0213082	1 1038878	0 96277338
Ribosomal protein L.13	0.6568473	0.7036254	0.9710089	0.94095105	0.87592095	1.0126235	1.00148/7	0.92827505	0.39862436	1.0020130	4 0560533	1 0133246	1 1568834	0.7457641
Cerutoplasmin	1.7592546	1,8117203	1.3932713	0.52711457	0.5835136	0.6233739	1,86146617	4 434 8828	1 3342403	2 5099014	0.9898571	1 1590805	1.131667	0.8712686
Inter-alpha-inhibitor H4 heavy chain (IBh4)	2,2391004	2.39085	1.4202020	U.DOVODO	חים וחומים	U.Genvii vei	Tanananan							

								0.0000	1 0000 1 000	11010000	A 6007474	0.00400001	0 708040831	O BOTERAS
Phase 1 RCT-3	1.0184433	1.0618341	1.0861455	1.1196602	1.0436252	1.038/962	1.02/391/	0 9477866	0.9575428	1 7459646	1 3263263	1.873284	12724094	1,1350562
Fetun beta (Fetub)	0.6327773	0 81012805	0 7326178	74951434	0 7024100	90187496	0.8523345	64821655	0.9119072	1.6135261	1,3164902	1,2244747	1.07482	1.1387099
3-hydroxysoduryare denydrogenase	9000000	0.55645246	0 70735127	0 R3197474	75209033	93139654	0 9239506	0.73026	0.7096105	1.8400396	1.6813233	2.458617	1.6302028	1.0759665
Carbonic anhydrase III, sequence 2	0.5000020	0.306(32.10	0.10133121	0.63131414	R4525925	1 04R4238	96553360	0.8322231	0.87178034	1.3866808	1,5769869	1.6836778	1.4026026	1.1180481
Phase-1 KCI-10	0.404 10170	0.012000	0 801648	0.49235755	0.9217399	0.8471127	1,0014356	0.7976173	25226	1,4279813	1.0317128	1.309063	1.3879051	1.1393994
Appra-2-monorum	71402626	0 72075087	0.8527931	0.8452111	0 8805899	0.9623996	0.9838512	18	1.0972599	1.1215104	391365737	0.83409655	0.76805013	0.841907
Dynamir-1 (D100)	0 98570857	0 828988	0.76101756	0.8667126	1.0498384	1,0399606	76323	0.8784161	48941	0.94086686	3,68584985	0.6569975	0.65036354	.68193793
Dhare t DCT-050	0 9285519	1.1651257	1,6605159	0.94496226	0.7373394	1,3071404 0	0.92146945	0.8713789 0.88	72229	2,8512778	1.4090779	1.6297409	22446158	12400365
Phase-1 RCT-29	1.468473	1,4764893	1,2303052	1.0966325	1.047938	1.0074042	1.2317841	1.06505	1.158505	382815874	0.7962048	0.8354118	0.8335083	0.873624
Phase-1 RCT-278	1.336847	1.6038662	1.4256411	0.78114015	0.8989087	0.84224635	0.8173931	1.0745447	0.85816205	1.1806301	1,00401	1.433/000	1 0288200	1 0825038
Phase-1 RCT-42	0.73052055	0.81331635	0.8910113	0.79016685	1.043816	0.9610142	1.1175622	1.0581623	1.03/4261	1.0008334	1.1021977	0.310000	4 2040264	1 2266200
Phase-1 RCT-25	1.2618358	1.2642598	1.10331	0.96738404	0.9553004	1.0114694	1 2 2	1.0004472	1.0107833	1.1639370	73704073	0.341100	0 601 88803	0 9932447
Cytochrome P450 2C11	2.4704466	1.9078546	1.4591697	1.0087625	0.84485775	1.0741663	200	0.5343/40	0.6130030	4 5542400	4 0750109	1 5057733	1 4870919	4 485869
Phase-1 RCT-202	0.6051588	0.7278986	0.7798611	0.7149809	0.865961	0.8676088	35.39	0.00140333	4 0700470	0.0013130	4 4002875	4 3378507	4 2737530	1 0420713
Complement factor I (CFI)	0.81900567	1.0529522	1.1156056	0.6994022	0.7110971	0.78582335	0.583333	0.39171550	1.0703478	2.2030040	2000004	0.7775062	20000070	0 9959806
Proliferating cell mudear antigen gene	1.4294137	1.4133391	1.4064122	0.9420029	1,0223/18	1.0601966	4CC45CO	3.3400003	4.040400	0.0000000	00000000	0 0544703	0.0457254	O RZBRENO
Activating transcription factor 3	1.0077639	0.81865346	0.8512373	1.5028864	1.3285861	1.4855398	1253289	1.0003277	1.2464285	0.8553317	0.05//350	0.0014703	0.2137501	75488794
Focal adhesion Idnase (pp125FAK)	1.3414068	1.2758701	1,1721158	1.0977428	1,0256263	63 0.86727035	0.7406378	0.8552835	0.7303402	1 40427FG	1 0045505	4 4492447	1 1585194	10773658
Phase-1 RCT-289	0.528327	0.59056926	0.75096637	1.0494264	1.116/09	1.1691.2	0.73380304	1 20000	4 2700004	0.1012/33	0 7440782	0.7357002	0.8130061	0 83569133
Phase-1 RCT-259	1.1215028	1.090589	1.2498517	0.9871378	0.91386825	1.0122176	1.4704822	1.2050377	1.3280301	A DECEMBER	4 824059R	1 548575B	4 4097923	1 6682738
Inon-responsive element-binding protein	0.69713926	0.59315735	0.8605114	0.82443786	1.0485252	1.033654	0.835323	4 4664096	4 200707	1.4044133	1 4078712	1 3185018	1 0934252	1 3201215
MHC class I antigen RT1A1(f) alpha-chain	1,504269	0.68223	0,8514864	1.8090881	1,0042200	1.445323	1.3460/000	0 0783011	C ESSESSION	2 3734446	1 2964717	1 1809934	13373961	1 2289581
Any sufformsferase	0.5038077	0.5276629	1,2099162	0.742377	0.5412163	1.0138145	0.6922130	0.8/83011	0.000000	277074	40407260	1 005883	0.87447636	O RZOORZ
Phase-1 RCT-171	0,7378957	0.726193	0.77757084	0.9633958	0.99241906	0.96378416	0.92321026	0.93005/4/	0.9/39532	0.777877	1,040/300	0 9620767	0.001	0.0000
Phase-1 RCT-83	0.65307003	0.82111305	0.71928215	0.7968216	0.84522706	0.6916546	0.8663882	0.9936633	0.82343330	0.0407007	1052101.0	4 40000	4 0010100	4 40000
Phase-1 RCT-270	0.25983542	0.29773548	0.42878425	0.9381476	0.91166586	1.0485853	0.5680312	0.866144	0.6855335	0.98342913	1.1652378	1.16335/5	1.0940488	1.1839333
Colonwellmulating factor-1	1.0404012	12094995	1.0257403	0.8050518	0.8934542	0.8169802	1.1092607	1.0685774	1.0107762	1.786168	1.7745433	1.6199031	1.387720	1.1/04300
Merchado	0.8018585	0.6994397	0.82318896	1.0139564	0.9796881	0.9640716	0.7199556	0.87858886	0.8120479	0.8711168	0.9435722	1,0226249	0.9813/06	0.6856408
Phase-1 RCT-62	0.53473186	0.56222355	0.6503954	0.7964088	0.93053335	0.9533455	0.9120184	0.9085017	0.9696517	0.8885365	1.5072792	1.6016475	1.0390991	0.9778235
Dhase 1 PCT.22	99699606'0	1.0162156	1.0328758	1.0507973	1,0900549	1.1250201	0.8405298	0.959915	0.82604456	1.0475864	0.97279537	0.9888485	1.00/4229	1,0316057
AT.3	0.94964683	0.91168565	0.9323819	0.88410018	0.9821184	0.8789114	1.0158845	0.9483119	0.988296	0.6174436	0.7008765	0,6499755	0.5786419	0.7182002
Physical BCT-18	1.0880953	1,0562044	1.0352442	1,0483129	0.98644024	0.945038	1.0513842	0.97582465	1,0705905	0.6483723	0.7278831	0.635862	0.7413732	0.8259311
Phace-1 RCT-123	0,942926	0.9165151	0.88910246	1.0092225	1.0079914	1.0441352	1.0727158	1.0350396	1.1081657	0.75/84135	0.7555468	0.7853172	0./U366114	0.00000
Prise-1 RCT-88	0.71351665	0.6895977	0.5782603	1.0972241	0.96377987	0.89855397	0.53537667	0.97111	0.62007314	0.4763059	0.76037383	0.58516237	0.6196363	250/000
Fourthrasse nitrobenzythiomosine-sensitive														,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,
mideoside transporter	0.3808276	0.5262183	0.52223164	0.7942725	0.8409669	0.71386975	0.8758832	0.8975988	0.8416281	0.5393093	0.875.246	03/3/6/60	102/81/80	0.7073424
Gluces transporter 2	0.87624544	0.8728005	1.473532	0.7476115	1.0296311	1.2018362	0.7519841	0.9233873	0.83486764	1.1003	1.1663/16	1.2590523	1.4706844	0.88999177
Mulidan resistant amien-2	0.59546643	0.6076379	0.7096141	0.82211506	1.1766303	0.9174495	1.4200497	1.1954647	1.6980516	1.2145824	1372247	1.1539617	1,039632	1,7228174
Mulidana resistant protein-1	0.60555106	0.59706846	0.69228363	0.85211927	1.4027859	0.8814187	1,4447422	1.2871479	1.7363156	1.2297612	1.5076531	1.1705312	1.1/181/1	13/00333
Phosphatidylethanolamine-binding protein	1.0164266	0.7850965	0.7349725	1.1936226	1.1694056	1.1349349	12407495	1.1601112	1.1949817	1.4312906	1.6005602	1,3/09914	402030	4 34 00 605
Phase-1 RCT-180	1.5241313	1,6506789	1,3921574	1.3518351	1.4562566	12881371	0.9379289	1.0632517	0.79617786	97000110	1.1300304	4 243507	1 4835871	1 5873153
Integrin beta-4	1.4435644	1.1425481	1.1073117	1.6875612	1.1652658	1.1891097	1.1501041	1.1183937	1.204.0013	4 3005445	3 285765	1 8830855	1 5379P4	7 704077
NADPH cytochrome P450 oxidoreductase	1.1213237	0.87752545	1,61285356	1,5036/54	1.7832093	1 3033781	2 170449	1 2709656	2 287 4062	0.89333045	0.76359858	0.79145443	0.81009877	1.0235741
Waff	1 7 1 2 0 0 0 2	4 7CABA73	4 0740024	1 1871657	0 7553437	0 60489605	0 92216355	0.96808344	1.069894	0.77738124	1.4306145	1.1995964	0.82535577	0.7521349
Endogenous removiral sequence, 3 and 3 Link	0 8205102	0 85899365	0.85150605	0.8746849	0.9001036	0.8798245	1.13066	0.9700166	1.0807189	1.0381888	1.0479908	1.0735352	1,0594997	1,0701118
Object OCT-54	1.0652574	1.101874	12245046	1.1913763	1.0014059	0.94526327	0.78194547	0.94455016	0.85507464	0.8876683	0.81816113	0.7837275	0.8642544	0.83311677
Phase 1 RCT-240	1.3077047	1,2138573	0.9375371	1.3307282	1.0289614	1.0278102	1.0931506	0.9304758	1.0413692	0.9951383	0.8912369	0.89813745	0.865044	0.8088043
Osteopontin	1.0512712	1.1643302	12367349	0.76885474	0.8067802	0.8280479	0.75522083	0.89928675	0.73830134	1,525191	12556254	1.325/84/	1.6215212	12312012
Organic anton transporting polypeptide 1	0.5916078	0.7413065	0.6040456	0.69233716	0.900628	0.812032	0.9163627	0.92741466	0.87076604	0.9779005	13/66/30	1,0513200	1.4402/20	1.07.34624
Phase-1 RCT-241	4.998279	5.2340517	2,0409882	1.2517213	1.2384713	1.0857302	1,0139757	1,326/018	125/834	12324337	0.75053311	0.200074	0.5643642	0 7003081
Tissue factor pathway inhibitor	1.778147	1.6473212	1,4458003	1.1626036	1.0351211	0.96692556	1.0714221	1.0304844	1.195/42	0./20/30	0.7350300	0.7003214	74004000	0.1 302001
Cyclin-dependent kinase 4 Inhibitor P27ktp1 (alternate		-	000000	TAGGETA	0 07054067	2022600	4 4740484	1 0806011	4 1883827	0 7937502	0.73372513	0.70567954	0.702238	0.8249023
clane)	0.0500500	1 0482468	4 0472865	1 25050 FG	1 1117148	1 0290259	1.0377579	1.0272654	1,1899432	0.5758709	0.68237295	0,670013	0.6583249	0.79411626
Prosprovpase U	1044046	4 6607018	4 4484488	1 0000684	4 0004E4B	0.9457036	0 90820867	1.0321048	-	0.78287435	0.8283395	0,8188803	1.1311219	1,2580127
PIESSE I NC 1-53	1 307624	1 5029466	1.0619624	1 1082581	1.0891925	0.994239	0.7497182	1.0270324	0.8623161	1,205199	0.88852686	1.0174366	0.9567233	0.92544883
Phase 4 RCT-113	1.6777076	1.6975771	1.5368016	0.8329881	0.94779193	0.97517407	1.0543694	0.9677714	1.1636484	1.8727585	1.2809746	12970605	1 2991271	1,4661425
Adenine nucleotide translocator 1	0.99874854	1.004484	1.2966827	1.0337225	1.0318935	1,1732559	0.74138695	0.9136149	0.7833294	1.1955613	0.97231615	1.1573008	7,000007	1 2255014
Alpha-1 acid glycoprotein	10.211426	14.553651	12.09506	0.44807184	0.4367361	0.8417437	0.74271258	1.077761	0.92592365	8.038896	1.4080614	1.463/456	0.635/8243	0.01488403
MHC class il antigen RT1.B-1 beta-chain	0.640287	1.093261	0.6414842	1.2653269	1.0854923	1.4793081	0.95601594	1,6316396	1.081123	0.5/ (3500)	1.15/1.85	2011100	0.000000	200

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	1007.	COULTON P	4 aneoy46 0 0235070 0 83378615	0.0225079	0 933788151	0.8063262	0.9934738	1074377	1074377 0.93894714 1.0422391	1.0422331	0/2/03/33	011000110	2	
Organic cation transporter 3	1.353/432		20000	400100	4 0001334	ᆫ	0.79718	1.0132828	1.0132828 0.9377698 0.83673676 0.8523498 0.87819815	0.83673676	0.8523498	0.87819815	0.97/02/1 0.8403030	200
Hyporda-inducible factor 1 alpha	1.3204832	1.1450932	1.1450932 0.6369322	1.0007.307	4 06400400 0 04400405		4 0577799	0 938873	0.938873 0.99746597 1.1183436 0.9881513	1,1183436	0.9881513	1.018139	1.1303705	0,9679506
Phase-1 RCT-43	1.1178727	1.0544515	1.0544515 0.88765806	1.1848121	1.0040213		0.7641684	0 9171777	09171777 0 7901806	0.8084117	0.7508268	0.7508268 0.82782507	0.8758564 0.78350805	0.79350805
Phase-1 RCT-45	1.1487586	0.9742993	0.9742993 1.0696173	1.3563025 1.0473180	1.04/3100	0.3403045	1 0 000000 0 1101100 0 0000001 0 6873183	1 08230045	0 6973183	33790445	1.7679778	1.7267761	2.0837207	2.0578318
Majate dehydrogenase, cytosolic	0.7515208	0.8556724	1.2876025	0.8636706 0.8101537	0.8101537	70505701	4 2404622	0 0504896 D 90724387	90724387	0.784723	1,5301994	1.266206	0.5286735 0.41182223	0.41182223
VI 30 element	1.4296632	2,1761582	1.104087	1.2510133	1.054/308	1.104087 1.2510133 1.0647908 0.00333413 1.2104033		R0266473	0 9520122	1,1189541 0.99253845	0.99253845	1,1224505	1.1865047 0.80942756	0.80942756
Phase-1 RCT-189	0.5131606	0.5618863	0.5618863 0.88379526	1.075168	1,010,00	00001000	4 4924045	0.05597	0 95697 0 BEE5421 0.7815498	0.7815498	0.857944	0.7274048	0.7274048 0.58047184	0.9341884
Alpha-fetonolein	0.7244933	0.7025027	0.7025027 0.83123344 0.9076809 0.905556	0.9076809	0.9555548 0.61 18360	00110300	4 005430	0 0362447	0 G362147 0 R5030943	2.1869202	1.8657371	1.7632047	2,1021824	1.449812
	0.6578509	0.7287717	0.7287717 0.97752064 0.8037831	0.8037831	0.7044030	O. 0 5421 03	A 0002005	1 0082041	1 00R2041 1 0389432 0.72947234	0.72947234	0.792064	0.792064 0.74072236	0.7876025	0,8057347
logen activator	0.92463607	0.91001326	0.92463607 0.91001326 0.9556101 0.8964045 0.9101939	0.8964045	0.51015.0		1 0135320	1 0027367	1.0597858	1.0597858 1.2558378	1.1928694	1.1256952	1.1611594	1213078
	0.96231896	1.0077479	1.0077479 1.0886318	0.80459	0.88455 0.866055	0.0000000000000000000000000000000000000	1 0498312	0.9434023	0.8321563	0.7895885	0.9325181	0.868063		0.78791255
ding protein	0.70699626	0.734916	0.734916 0.6329/325 0.66/0001 0.9652499 0.400045	0.6670001	0.3032480	0.000	1 0735008	0 95558074	1 073500F 0 95558074 0 99406487 2 2724483	2.2724483	1,595131	1,5789102		1.1774793
Ainha-1 microdobulinbikunin precursor (Ambp)	0.79587	1.044145		575515970	0.8323723	10000	4 4 7 7 4 7 A C O O 7 5 4 4 9	0 0756449	11297011	1 1297011 0.69338286 0.77983624 0.69476593	0.77983624	0.68476593		0.88142915
Phase-1 RCT-294	1.0541323	.0541323 0.96882206	1.0315374	1,124/30		1.0/09000 1.2/09050 1.11/1/17 1.11/1572 0.98314085	0.02817575	11177572	0.98314065	1.4828448	1.2760557	1,4828448 1,2760557 1,3595732	1,27,2823	1.1544464
Phase-1 RCT-151	1.6887034	1.347316		0.986996.0		**************************************	4 0007662	4 0500359	1 1561245		0.8022199	0.8022199 0.7458671	0.7364893	0,8001943
Phase-1 RCT-158	1,235396	1.1895529	1.1443145	1.1443145 1.2830663	1.0043113	1.0643113 1.1234362 1.0007034	1.00010024	A COCCOOR	1 0061761	1 3382692	1,2492788	1,2492788 1,0550431	1.3420081	1.2916902
Ohaca-1 PCT-224	1,0301074	1.0854243	0.87420696	0.9509047	0.94196916	1.0854243 0.87420696 0.9509047 0.94196916 0.864635// 1.067093 0.83304293	1.00/0931	0.00044704	4 0251782	1 3977625	1.1762241	1,1762241 1,0237588	1.2880515	1,232,7558
Dhoe 1 PCT.236	0.86876875	0.99915403	0.86876875 0.99915403 0.92755795 0.97780347	0.97780347	0.9511802	0.9511952 0.93/934/6 1.002004 0.9073/35	1.002004	0.0000	1 008483	0 7099642	0.91549325	0 709642 0 91549325 0.88209933 0.85996383	0.85996383	0.949372B
Occasion transmotor 3	0.6003731	0.8113117	0.8113117 0.7256079 0.73137224 0.8787524	0.73137224	0.87877524	1.0843134	1.0843134 0.96356514 0.0422450	0.001	4 2400724	4 3347160	1 0177312	1 0177312 0 92081067 0 96691006	0.96691006	1.0346707
Matrix metallorsoleipase-1	0.8762247	0.8762247 0.9226188	0.779699	0.7463155	0.76889044	0.779699 0.7463155 0.76889044 0.7061313 1.2088159 1.0945392	1.2066159	2006159 1.0345952	0 8510783	1 2891613	0.86179435	1 2891613 0 86179435 1 2181897 0.8720447 0.6202767	0.8720447	0.6202767
Hanney someting 2 new Inch.	0.3760987	0.75634384	0.3760987 0.75634384 0.7349645 0.55183727	0.55163727	- 1		0.936629	0.7000700	O BOARS	0 9570021	1,0007759	1 0007759 0,97699183	0.914564B	0.9145648 0.94660044
Proced BCT-212	1.0145875	1.0426927	1,1432428	1,0186192	0.9425325	- 1	O.8530802 U.Brudoka U.Besar aca	0.80331 323	d'OCTO	-				
(1) Gene expression data for 6 hour timepoint are														
hear medictive cenes (Table 18).														
(2) Compound and dose abbreviations as in Table 1.														
(3) Individual animal number														
(4) Liver inflammation classification for compound-														
dose group at 72 h; yes-hed; nearests upserved; yes-														
histographology observed														
(5) Predictive gene (as in Table 18 and as included in														
(3016 Zb)														

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Table 28. Expression Data for 6 Hour Timepoint (1)		T								П	П	П		0.00
Common and Dates (2)	BRB 800	CAD 4	CAD 4	CCL4 250 C	CL4 250 C	CCL4 250 C	CCL4 1000 C	CCL4 1000 C					1.PS 8	15.8
	33	251	2		ž	2043	2051	2052	छ	5	3	3	-	404
Liver Toxicity Inflammation Classification (4)				yes-neg	yes-necr y	yes-necr y	yes-both ye	yes-both y	yes-both y	yes-both 1	ves-born	ves-bour		DO-COL
Gene Name (5)				-		1,000,000	64.44.07.0	44 037947	11 ROG425	1 3900058	1 0892065	1.542582	2.0381908	18,500338
Insulin-like growth factor binding protein 1	2.3119966	7.2956443	5.4513335	4.720753	4.22/2696	2 500775	┸	2 707907	28786454	2.7634692	2,1360915	3.6335547	2.1310408	4.285916
add153	0.7479399	1,7784672	4.1913447	2.336367	2021700	2044644	3 020063	3 5158077	4 6503835	2,9950738	1,7897125	3,367003	12743174	3.7306855
o-myc	1.3135252	3.9707628	2.682838	1.902/32	1 717064	1 578483	1 5700719	1 9555297	1.6383938	3.2584634	1.611702	2.3119438	0.93144053	1.132536
NIPK	1.1146551	1.0630301	3.02.10421	2,03030263	2 2240463	0.1368/20	A 2943854	5.4248R34	4.5334111	1.5592618	1,3544492	1,6992153	1,3231181	2,5843117
Cathepsin L, sequence 2	2.0964/68	225027	6704363	7 2540453	7 2823186	5 94 17424	15,42959	18,257088	14.647765	1.6679943	1.0814756	1.1872652	1.6366897	11,614569
Heme oxygenase	5.924103	47.470737	4 6760636	A SEORESA	1 2746289	1 2012031	1.5856453	1.4261839	1.3318579	1,5393132	1,2151245	1,5855896	1.1496828	12894638
hase-1 RCT-109	1.5253252	2.14944//	1.0760020	1.3030024	4 0304038	1 1374747	1 2215972	1.0156878	1.0708045	1.5784802	1.429071	1.5319284	0.78907585	0.86375827
hase-1 RCT-111	1,3854808	1.4040972	1.3182194	1.0037.3	2 0450434	2 00477354	1 6834902	2 2397385	23092072	2.091064	1,3005798	1,5935695	1.0603545	1,6386608
Argininosuccinate lyase	3.846397	231608	1.303421	2.4241200	4.000000	000053353	4 101699	1 DR8394	1 077243	12374716	1,1088139	1.1588707	1,390572	1,8442888
NA polymerase befa	1,3088243	0.87.538367	0.64051324	0.930/130	1.000303	4 0563555	4 4 3 9 4 0 8 2	0 9619896	1.033327	1,5079179	1.3562362	1.4835775	0.79346466	0.86567724
Phase-1 RCT-103	1.4924821	1,277,3464	1.1584544	0225000	0.3313320	200000	4 2070330	4 3734763	1 4143836	1 4176896	1.3486302	12159075	1,3783684	1.9267527
Sposomal protein S9	1.6909133	0.970197	0.9053542	1,0/05/08	1,20081/2	0.3003021	1,021,3332	0072/02	0 8708560	0.75689	0.90906346	0.7593812	1,1515214	1.2801876
Phase-1 RCT-114	0.9104472	0.74436617	0.74265414	0,9651101	0.8801546	0.8310303	1 2000000	2 2005444	2 307BAB	2 5143518	1.4562907	1.7819164	1,3757702	1,7532504
Phase-1 RCT-15	1.6371068	1.275288	1.7276384	1,54550/1	1./2/8494	1.7525023	2 510055	7 2250827	2 1930737	5 8859153	2.080393	3,6116807	1,4550626	2.597739
Macrophage Inflammatory protein-2 alpha	0.8278021	1.7633419	2,6699395	1.674307	7./014/02	-040040	2000	-						
NGF-inducible anti-proliferative putative secreted			2000	0.000000	4 447477	0 01 17640	0.95627236	1.4657005	1.2530751	2.3247848	1,2591267	1.9707054	2.0227947	3,49445
protein (PC3)	1.1979269	1,6223496	2.42805	D/OCBCR'D	1.11/4//	_	4 76E404	1 0311054	2 1170824	1.8139787	1.3070747	1.6436646	1,0759082	0.9932865
Phase-1 RCT-191	1.8152714	1.3938982	1.1653926	1.813629	201126	1.7143304	1,000,001	1007074	4 2528342	0 9053477	0.8250375	0.9047954	22431734	2.2671828
Phace 1 RCT-83	0.79504585	1.0900971	1.2932576	1.2202152	1.1450434	OSCOCSO I	1770001	170000	1000000	4 0070488	O O187EAGE	0 9384714	2 1674688	2.5936215
Carlin O.	0.7988631	0.7605783	0.8713317	0.9375349	0.88309338	0.8079158	1.1185003	1.0704927	0.8000000	4 400007	4 2770484	1 477578	0 84977245	0.97617847
Dhaca-1 RCT-108	1,3485829	1.2619513	1.1452944	0.9671543	0.92588127	1.0442723	1.0805012	0.94058233	0/601037	1.402.3421	0 03/42/4	O SANATEA	27 61458	50.134712
Dhoon 1 Dr	0.83003455	1.8259867	1.0180972	1.8700042	1.5009369	1.8301104	1.7926864	1.900373	1.3243300	1000001	1000000	1 1058805	O AZORAGA	0 9505239
Obere 4 DOT 400	1 3849387	1,2549385	0.9689817	1,1311305	1.0980906	1.0097194	1.2458616	1.1/23930	17/1/30	1.23/003	1,000000	4 5447400	4 4450257	4 02022R
Tilase Collisa	1319002	1.4018989	1.3910917	1,4566525	1,2356762	1.3514895	1.3709408	1,5162334	1.6612226	1,5515536	1.1400031	1,514/400	200000	TOCATANO.
Phase-1 KCI-75	0 9007779	0.567617	0.63944256	0.9381389	0.94148564	0.99784344	0.7945885	0.90173614	0.9188139	0.59567237	0.7105/606	0.5//65245	0.0000000000000000000000000000000000000	0.0047450
Acety-CoA carboxyrase	1 2800066	1 2291744	1.1441046	0.95619035	0.98879665	1.0344732	1.0688434	0.95213868	1.0174334	1.4334613	1,314,2851	1.4255482	1,0957378	4 7470049
Phase-1 KCI-65	13676171	1 8028801	1,1484365	1.2689959	1.2876298	1.1339352	1.3299972	1,2237831	1,2789136	1.1378365	0.9566087	0.587.3491	1,00031	2420000
Cystatin C	2002000	3 17394BR	7925055	1 876507	1,7790385	1,5383307	2.3413782	2.3936243	2.238492	3.159928	1,6832291	27350569	CLSED Y.	2.233300
Phase-1 RCI-49	1 0575374	1 8933662	1.6913858	1.0626987	1,1526046	1.0497037	1.1789852	1.2411392	0.907199	1,4138703	0.9440448	1.2453007	1,782/43	21000000
Phase-1 KCi-8	1 6012964	3 8760571	38 514282	2 6577005	3.1833534	2.184613	3.8200386	7.0446534	5.078827	4.4704843	2.6021936	4.8645/25	2.62/6213	2./800040
Gaddets	1 2504553	1 2340484	1.1095451	0.95185286	0.96036766	1,0198048	1,0701394	0.95183027	1.0086418	1.4158882	1.3194238	1,4234393	0.7931934	0.8330010
Phase-1 PCI-136	4240563	1 5084375	1.0483849	1.0718291	1.093644	0.92603594	0.69654286	0,9561215	1.1096288	1,4173325	1.1361438	1.3508257	1,000	2000000
Contro	0 84446664	4 7524762	1 9307446	1.6482924	1.5943937	1,4628253	1.8463196	1.7971846	2,2165473	2,751,7655	1,850964	2.4814494	12343037	705050
Phase-1 RCI-12/	0 7422691	1 6225747	2.1227517	1.6662898	1,6200022	1.8087444	1.727355	1,4408935	1.6883032	1.8791075	1.4821895	2,4320447	139/22/4	333047
Macrophage Intramy process again	0 8593511	5.4700594	21.583532	1,2471575	1.1353724	1.2073545	2.20005	2,4226031	4.3565836	4,665098	2.8630896	3.9006033	1,3051595	0 847043
Changer a DCT. 73	1.0109471	0,691861	0.77732563	0.8184901	0.80251557	0.762677	0.60800713	0.66640043	0.66291195	0.97237515	0.8612/83	0.9240407	1 2630124	117765
Chambre surfiednes	0.9192255	0.5388102	0.5860333	0.491175	0.53210413	3 0.45659876	0.67928296	0.6095827	0.59101784	00215/00	0.030137	0.0000000	4 0740384	2217814
Caucating synatoge	1 0117071	0.5723452	0.47123975	0.73004955	0.74544215	0.74887365	0,58058536	0.67230284	0.63362724	0.5/4/82/	0.7230000	4 004000	4 7000646	2 57032
CAD-oritoring protein	0.83821094	2,3085923	3.3836668	1.8941776	2.8681173	2.1463683	3.5348887	5.8996334	4.5911548	4.2778153	2.142/68	4.0212030	4 4086522	3 6602044
Chase 4 DCT 50	0.8290903	4.944409	12,229047	1.7896957	2,0087337	1.628204	2.6136935	3.4895608	3.380350	5,6399202	25001052	4 044 9945	4 2826036	4 4459492
Describe being alpha	1,7175736	1 2267385	1.4093816	1.4109732	1.5648483	1.4123816	1.6647105	1.6185483	1,723,053	1.1194000	4 4207040	1.0116045	4 3240272	9 7003593
Informit hofe1	1 2590222	3.5956244	2.739436	5,58679	5.637676	5.575098	11.639049	13,900116	14.00008	1,37,33507	4 2044770	4 4766762	4 270085	1 2799462
line do like amonth factor hinding partieln 5	12956471	1.1733942	1.3766412	1.2187923	0,8898472	1.0492625	0.8704036	1.06/6/89	1.1604677	1,000,00	2 1021104	7 001705	1 3543965	2 5287957
Dhaea 1 BCT-59	1,406335	2.1095455	3.1501558	1.0576165	1,0359329	0.940391	0.81517875	1.040115	1.1/5/104	4 5427402	4 300442	1 4611747	1 020293	0.89960563
Dhaea-1 RCT-76	1,35494	1,8117689	1.4332604	0.9673944	0.9215219	1.0230848	1.1009315	0.992902	3 2631000	1.0137400	4 4405594	4 4268369	1 0713936	1.3411149
Cortin H-chain	1.3237890	2.082377	1.055599	1.5942243	1.9397582	1.5407901	3.0893784	2.60423	32031322	1.0030013	0.7070445	0 6229505	0.5309898	0.49707714
Colonomica	1.24163	0.57613003	0.5460558	0.6965962	0.70001954	0.69926655	0.40623954	0.48/31083	0.3644290	0.3513523	0.702004	0 8426404	A75803924	0 7529738
DTENAMAC1	0.928956	0.8526026	0.8661058	0.9418389	0.94387454	0.9551798	0.93258	0.98485607	0.8735036	0.90109057	4 4 4 0 0 4 4 6	0.0123104	0 81698406	0.91582304
Dhoen 1 DCT-216	0,8528591	0.2745062	0.45830446	0.6621282	0.72034127	0.6400244	0.425/588	0.518/0036	0.413/0255	0.0310049	0.7094789	0.7803704	0 72058938	0.6143368
Disso 4 PCT-412	0.5761360	1.0105528	1.1895477	0.97321975	0.99535376	1.1752481	0.6218382	0.66286194	0.6399988	0.8//1503	0.7031700	0.00030	O 7390R53	0.5231131
Thursday contract	0.7728632	0.872076	1.0496972	0.6122141	0.5049558	0.5152879	0.53(69835	0.5984195	0.5110/826	1.03/033	4 2250783	0.90004673	1 7811163	0.6139232
Phase-1 RCT-13	0.521562	0.4380372	0.64514124	0,56158787	1.4473544	0.62676704	0.9401051	0.95825195	0.5580802	0 00174264	0.818171	0.7942088	0.66437906	0,59565127
Nucleosome assembly protein	0.6964255	0.84870	0.823635	0.67310804	0.58314084	7,000000	0.4340100	0.7317732	0 5285978	0.7143598	0.8142259	0.6898346	0.7565269	0.8305054
Cholesteral 7-alpha-hydroxylase (P450 VII)	0.677150	0.86407186	1.660041	0.5193926	0.7015054	0.50020487	0.8418604	0.8564593	0.8430709	12768474	1,0281366	1,2594897	0.7516262	0.6277173
Vesicular monoamine transporter (VMAT)	0.609985	1.20440	0 007854	4 0000BB	0.987822	1 0015965	1.0957606	0.9870531	0.97538114	1.0465232	0.8380029	0.7878626	0.85817075	0.7362048
Phase-1 RCT-260	0./ 100/0	0.730015	יביטוספיט (1,0000000										

								1000000	0.030000	0.0007467	0.0006765	0 9972333 (91482216	92259985
Ohase-1 RCT-32	0.9953333 (3.93706656	3.87090135	0.9783181	99020135	0.9735037	13/15404	1.970100	1 33 30 557	0.981639	1 1212487	1.0674276	1.1291138	.88799363
Peroxisome assembly factor 1	0.8585118	0.7209078	1.0101999	1.3560089	1 2014701	1.1689214	1.4330232	93131304	1.081931	1.0131531	1.0616709	1.1232765	0.9814477	0.8092792
	0.68897086	0.7359022	1.011185	1.0007033	0.04303670	06517754	7057459	86976206	0.7596626	0.9050432	0.89856493	0.83887005	0.8498794	0.765677
Phase-1 RCT-82	0.7364691	0.8827714	9 2000110	4 0075004	0.5430702	1 1714364	0.7452125 (76697737	3.72133565	0.6276889	0.77923274	0.81458427 (.44438338	32009557
Matrin F/G	0.84116334	1.0641506	2.0001/32	0 0400633	DANAKA1	0 8383928 0	60490584 (3.75648206	0.7396757	0.972706	0.82846713	0.9470841	0.7523752	0.6486802
Phase-1 RCT-184	0.88089025	0.95326245	0.92/2/004	0.040000	04656797	90024704 0	04 0,78059053	0.9129972	0.8111624	0.52182996	0.7787344	0.6053192	0.7827294	290330b/
Phase-1 RCT-168	0.91814774	0.5056710	0.7514442	0.77737004	0 9768846	1.1320573		0.49750438	0.5205638	0.42945015	0.4619425	0.32372543	56969213	42404592
Phase-1 RCT-119	0.33283304	0.63533123 0.6440R273	0.4194511	0.6969878	1,04505	0,9963601	73173237	0.928268	1,0034028	0.6991688	1.0589145	0.7041/035	12/85014	0 5778653
Carbonic arrhydrase II	0 8895429	0.73408055	0.811272	0.8387789	0.8976374	0.9079463 0	78804015	0.98330957	0.78418344	0.96259177	4 470001	4 4005054	1 035437	2 033831
Dhora 1 RCT.71	1.4726019	1.2972516	1.6733831	1.2983922	1,2536311	12558036	1.3095739	1.6219091	7,464242	2 4748769	17165123	2.139141	2,3016577	1,9836354
Phase 1 RCT-179	1.9355127	2,128932	1,681951	1.9652004	1.9016367	1.7535436	3.1131349	6 6360016	0.49534002	0.6693633	0.7874405	0.572149	0.9279446	0.78658193
Phase-1 RCT-161	0.6034442	0.35334432	0.4023636	224703/30	10000000000000000000000000000000000000	2 5519826	4 3550987	4.160575	4.602809	4,741258	2,62,801,84	4.4846463	1.2659117	1.5635973
Phase-1 RCT-207	1,4105413	4,559005	3,5664513	2 5050542	2 4124476	23163002	3 6047573	3.9221654	4.2120833	3.6527136	2.0571349	3.3134623	1.1437457	1.6977193
Phase-1 RCT-144	1.5797241	3.512034	1.0000301	3 3055062	2274617	3,7255003	8,37507	6.0022345	5.58821	1.9802423	1,4397321	1.0839042	1.0797901	1,2383788
Phase-1 RCT-225	0.677956	909090	0.6163533	0.34987003	0.55084175	0.55867514	.45938703	0.3523421	0.30694932	0.4431618	0.35407856	0.5515161	0.6689061	SELOSICO V
Cytochrome P450 2E1	0.77904900	1 6863200	1 5678446	1.5316503	1.5534334	1,3917205	1.5481912	1,469856	1.9059677	2.5968096	2.1279018	25312076	1.0392378	1,027,3003
10.1	1 0936756	2.1524622	1.6517862	1,4850017	1,5040743	1.3818958	1.9179963	1.8905054	1.745985	0.9804469	0.85677475	0.86/1223	17545193	119159155
Impredoxir-i (iixi)	0.34406486	0.14212105	0.2213954	0.17380586	0.36841282	0.33015507	0.16364865	0.18636541	0.1862663	0.3044 1030	1 1561514	0 0841945	0.9082067	0.91836905
Carding annyulase III	0.90040755	0,7295722	0.9351885	0.92915887	0.8771744	0.92032593	1,0101515	9.9773559	0.6516500	0.55212510	0 5638407	U 44133997	1.4861282	1,3581802
Comparent Commonent C3	0.9611644	0.25397107	0.39104083	0.85080093	0.74151826	0.8857699	54868776	0.61355263	0.3326/230	0.46295792	0.6910814	0.3104679	0.82839274	0.4372022
Ghokinasa	0.4234179	0.2688428	0.52969897	0.727991	0.7952781	0.780524	0.84241230	0.84311073	0 63575593	0.6689015	0.7954258	0,64358854	0.49504937	0.40923452
Phase-1 RCT-173	0.7666544	0.78352094	0.93554294	0.82587385	0.902233	0.9214379	4 0160637	1 0229017	-	0.88373804	1.0660322	0.97405255	0.8775075	0.70072234
3-methyladentne DNA glycosylase	0.88808084	1.0513217	0.93820846	0.8596188	0.9509104	0.33414400	0.6367751	0.7406758	0.6773458	0.55159605	0.68942434	0.6193892	0.8519087	0.7063619
Peroxisomal multifunctional enzyme type II	2.4660795	0.46825773	0.52663386	0.77331233	0.8140451	0.70301004	54325676	0.5892958	0,5492194	0.5176179	0.6643274	0.45526516	0.612667	0.47146228
Phase-1 RCT-40	0.9760939	0.5959545	0.333/219	0 3201041	0.4511159	0.35898665	0.27826965	0.26014555	0.24360909	0.28437155	0.40426284	0.30218995	0.26722875	0.235.337.35
Senescence marker protein-30	0.49553704	4 K2R601	2 3966677	1.5011126	1.5073917	1,5719965	2.348219	2,5908928	3.1865892	11.608406	5.425879	BB10581	1,5691305	3.1243400
Cyclin G	1 088585	1 8828344	1,6821188	1.2693484	1.5421274	1,0887313	1.4460311	1,3368099	1.4273763	1.1234568	1.2549	1.7330004	783030400	1 1225307
Melanorra-associated artigen metal	0.81097436	0.9844163	0.93515337	0.975822	0.92568046	0.9434893	0.78467035	0.77615494	0.8503954	4 0394358	1 019423	0.9776732	0.8109267	0.74839026
Frizze-i KUI-20	0.945158	0.82192725	0.96546537	0.984218	0.949385	0.9778266	0.7417402	0.8882057	0.7673945	0.6124827	1 2965522	0.6903406	0.36570102	0.16294973
Alcohol dehydrogenase 1	0.50801814	0.4842575	0.49242228	0.52689916	0.5003644	0.4308331	0.37.904200	0.4377355	0.3629124	0,62860346	0.85748774	0.6282983	0.47358346	0.34670694
Stem cell factor	0.6593459	0.71949965	0.7328701	0.49537513	0.7185918	0.05/000013	0 5570496	0.5211548	0.6538903	0.7554654	0.76003534	0.69190794	0.8393468	0.9622045
JNK1 stress activated protein kinase	0.8745276	0.5/623520	4 0004765	0.75723034	1 2328273	0.9707821	0.5859978	0.81408066	0.81841314	0.8420465	1,0349759	1.0357015	0.9270212	0.88255745
Protein tyrosine phosphalase alpha	0.6362091	1 5112758	0.9790343	1,4592545	1,6486949	1.8197386	2.0516403	2,0897963	2.536242	1.0522739	0.92924124	1.0610853	1.12/11	1,5/45U00
Phase-1 RCT-65	1 3416165	1.1966028	1.8489709	0.9807192	1,4882606	1.1661017	1.9029436	1,7174611	1.635866	1.7219193	1,4253101	0.7207804	1 445,4291	1 4159832
Ubiquitin conjugating enzyme (rout o normalise)	0.9501295	0.29587418	0.42970923	0.9159226	0.81556916	0.9852278	0.58007145	0.65578717	0.5650375	0.76233300	1 0068421	0.9218929	1.0696307	1.0215472
Phase-1 RCT-280	0.76106465	0.6763532	0.773286	0.6999338	0.8476288	0.6449291	0.40562865	2 7456645	3 369079	1 8340144	13580865	1,6279742	13,238676	25.926502
Supercode dismutase Mm	1.1204505	1,7073054	1.4551935	1.8537257	1,6785889	4 043834	24189525	2.8958285	2,3575835	3.208725	1,9164867	3.0126839	1,1878859	1,3599939
Beta-tubulin, class I	1.0859166	1,58///14	0.5872425	0.7291081	0.97467864	1,1145663	0.42388776	0.47219825	0,48713353	0.24904704	0.36111557	0.16594563	0.4870159	0.33/5918
Carbamyl phosphate synthetase I	0.92904.0	0.00003004	1 1301641	1 0330832	0.809113	0.9028356	0.89302677	0.9222901	1.1501794	0.82326907	0.9467136	0.9277245	17/3009	6 4400853
Diacylolycerol kinase zela	0.8148036	1 2960917	90060896'0	1.0813628	0.91138697	1.0562961	0.96756905	1,1091179	1.3153749	0.95927763	0.8730423	4 0458205	4 4774607	2 404773
14.2.2 mb	1,3846525	1,9147626	2.0993452	1.390145	1.366735	1.354112	1.8211747	1.6429375	1.9442023	2.04378044	0.7556073	0.98835266	1,2281301	1,7828681
Gamma-actin, cytoplasmic	1.647812	2.1027524	0.66946924	1.5896072	1.8304678	1.9312544	2.2250387	1 5040348	1 5394613	1,5896859	12773485	1,5645155	1.2858732	1,5497344
Ribosomal protein L13A	1.3827646	1,7786045	2.062789	1.4366585	1.2080919	1,4173352	1,8891319	1,5659968	1.8064673	1.5476291	1.1507761	1,537693	1.0906036	1.8248991
IkB-a	1.3336220	1.100000	1 667872	1 2702037	1.3508801	1,4941704	1.3753192	1.3057662	1.4137537	1.8276304	1.415835	1.6244664	1.1506512	1,5/52/10
Phase-1 RCT-65	1.0102906	1 644759	8.064402	1.6744564	1,9502923	1.9512099	2.807757	2.347875	2.213561	6.3308783	2.8741693	6.1863155	1,65500.0	1 3415624
C-lun	1,5473114	0.874916	0.8281035	1,2295191	1.3800625	1,3761586	1,4826359	1.2863501	1.2546318	2,80421	1 7963292	1.199023	1.004541	1.1298053
LANG Cod reduction	1.2520608	1.7975482	1,8445336	2.0499802	1.9273098	1.7556287	1.0808585	1.349/091	1.9051039	2 05186	1 6978605	1.8933133	1.0652502	1.1678504
Phase-1 RCT-12	0.9859903	1.218905	1.1665337	1.349690	1.3547063	1,3604597	1,4514361	1.005/200	10000					
Interferon related developmental regulator IFRD1	7 05050	20000	4 7076128	2 105227	2 2468653	2,0867763	1,6571985	2,5576532	2,3199174	1 2239319	0.9535336	0.94480956	1.842585	1.6230091
(2 <u>C</u>)	0.24417469	2439788	1 599109	2.770172	2,9547899	2.7826419	5.8805923	4.753417	4.456321	0.51465756	0.5823344	0.5/72263	4 4080248	0 8422013
Glucose-regulated protein /8	0.6884783	1,016121	0.8089499	0.7855618	0.9304191	0.7794742	0.7549982	0.86691166	0.725601	0.726694	1 00505350	1 4443543	0.87471366	1.2563053
3-bea-nydroxysteroid denydrogenese (113030)	0.936903	3 0.9463218	1.3151512	3.4051418	3.962217	3.0601647	7.7323384	7.8128.24	6.749455	0 070440	1,000000	1 299976	28.334414	50.985996
Phase-1 RCT-169	0.6917184	335471	1.203399	2.083991	1.5128883	2.2824984	2 4445417	2,61801	23513167	2,979385	1.6086432	2.671713	1,3244987	1.1843028
Phase-1 RCT-197	0.844980	0.966231	1.369579	1.704126	1.880463	3 02487	2 300364	234873	338962	5 0.7582375	0.9879893	0.65401655	0,8146992	0.73926663
Phase-1 RCT-34	1295400	8.25164	6.08123	1,303004	Z.4000v1	2000								

										44000	+ nanachet	1 6RG314	1816725	.4818263
	00000000	4 0400608	1 6055391	1 7562784	1.6021874	1.7512926 2	1262965	2.0971465	2.139062	1.4/64463	1.0003300	1 158779	2984685	2.5647087
Phase-1 RCT-72	00000000	4 871353	1 79406	1.9241703	1.7307527	1.747322	1,4254837	3.286254	45000446	40205975	55583274 0	41167507	2113482	0.8654917
Pyrovate kinase, muscle	4 0043743	0 8703787	0.8276393	0.6931965 0	7,76391727 0	76854193 0.	44312045 0	000007/5	4.000777	4 05729E4	0.97399783	1,0686189	1,8481035	3.9902635
1	1 2004 FETE	0 9649611	1 2693992	1,318112	1,1516389	1.4022013	1322969	0.0001000	1.0100211	63003123	0.6696601	0.7108054	2211319	1,3198639
	0,000,000	A777600	50757050	0.8788171	0.6711389 0	.69374603 0.	8	0.5215289	7000005	S OT S DOOR	1 0155791	R4750396 0.	79651177 0	.40007532
Cytochrome P450 2C39 (alternate done 2)	1,4234702	0.000000	4 0651308	1 2061001	1.0689138	1.7508026 0.5905	0107	0.66315347	7,6306350	0.37.30300	1 0204526 0	92777245	23512795	3.0676053
Phase-1 RCT-290	1.400002	0 842453	0 6523935	0.8921551	3.82023275	1.018219 0.	. 2.1	5	0./001031	0.07508	0 9345784	0.8022678	1,3962336	1.1606957
	10243043	0.40749645	63825005	0.6526783 (783 0.85606617 0	58042955 0.34	349/18/4 0.59323	g	0.50111030	2700010	0.7807432	0.7438366 0	73636895	0.9178753
	0.9615/05/	0 6346093	1.0841516	0.5242209	0.7426045	1.0815678	1.0654842	0.3040UBZ	4 3610622	1 5347574	1,5787635	1.3753719	1.1246371	1.9491049
Cytochrome P450 1A2	0.7339773	0.636974	0.72925884	1.1538289	1,3309569	1.1267134	1.6303347	52058614	0.567933	0.8230205	0.6693939	55632544	0.8120461	0.8736394
Phase-1 RCI -297	1,1973089	0.504228	0.62358018	0.69716674	9426104	8 8	20.30	0.50467247	3,47118095	0.9255162	3.94872975	0.6430608	1.3150915	1.109/220
Monoamine oxidase o	1.0834051	0.8222485	0,51060075	0.6877542	9333944	0.0323300	0.4515298	0.5421776 0.492	0.49260393	0.9871824	1.1446279	1.158231 0	56138337	0.00000
	969956690	0.9299547	1.3657857	0.0046235 0.37	3	872	60017	72649175	0.7035476	0.85511434	0.83037823	0001087/70	0.3231372	0 7657674
PEDASONE DOMESTICAL BOSTONES	1,4184138	0.78841317	0.6346353	0.859/134 0.92			0 50412685 0	0.53381205	0.56352144	0.9604719	1.0857064	0.95832306	0.6331393	0.5407422
Chape 1 PCT.251	1.9705374	0.317508	0.51978743	0.92484313	0.0107.0	0 9050868		14	0.66229874	0.9106198	0.9202041	0.87588304	0.0400400	0 655270R
Green 4 DCT-447	0.92305714	1.0276644	0.9680342	0.62454796	0.763401	0 93780928	1.128577	1.136493	0.98761874	0.70249635	1.4697529	0.7551619	0.0100102	4 462326
Plaser No. 111	0.9323482	0.7935082	0.61952883	0.79/0015	0.503000	2000000	4 0589977 0 95(56534	0.796861	1.0723565	1.0071766	1.1406521	83//1243	1. 10c.3c.0
Guantone S-tansierasa vieta	1.0972021	0.9442165	1.031396	0.9665812	0.914521	4 0060774	0 884026	392394	0.65579253	0.6828032	0.83464164	0.64547133	.66039244	A 0007674
Piese 1 DCT-148	1,3210924	0.9275585	1,550977	0.7834517	0.3201000	78803694	0.6093534	7.0064604	0.6387631	0.8686345	0.88812375	0.85347.310	1,055,035	1 4661964
Phase-1 RCT-142	1.4287773	0.8441853	0./1449/45	4 0056433	0 98416483	0.98468304	0.980394	1.0754179	1.111014	1.1103334	1.13/3843	1.0022143	0.5160808	0.46258995
Activin receptor type II	0.7297942	1,033/621	CC9C0807 0	0.6830936	0.7854997	0.9751387	0.8470739	0.56339014	0.58733654	1.05/64/1	4 2062080	1 4973831	95608485	0.5866931
Gydne methyltransferase	2.4114377	4440000	4 2004737	0 9792368	0.9168282	0.9654739	1.0531604	0.91362125	0.9533309	0.00000	A BOX 5134	0 9899391	0.9783426	1,0889338
Phase-1 RCT-281	1.13504	4 440636	1 2161535	1 1832572	0.9036412	0.9297518	1.1571782	12929274	1.1690050	0.23201 14	- Company		-	
Citiary neurotrophic factor	0.743033	1.110000						***************************************	0 0011001	4 1826813	1.0848995	1,2569696	0.47155216	0.30919215
Gap junction membrane channel protein beta 1 (15)01)	1 2795113	0.9282646 0.884	0.88446516	0.9779465	0.87834656	1.0167788	0.6837226	4 6957844	1 301 1699	1.1103656	1.0059718	1.0964339	0.82777053	0.82031095
	0.77156925	1.0996311	0.9875785	12413781	1.1926857	1.2596132	1,5954193	1.3537 041	O GRZGGARG	0.6437347	0.74458045	0.6159639	0.9858619	0.7802296
Phase-1 RCT-96	4 35.77.44B	0.41945133	0,70383584	0.88846457	0.9417581	0.8268098	0.6/20422	0.01010	96715	0.84218097	0.8811715	0.8788232	0.B439978	1,0279119
Phase-1 RCT-287	1 9882082	0.7477932	0.6230523	0.68611825	0.9000841	0.7366943	0.6251537	0.73875624	090495	0.49780843	0.7103495	0.67265725	0.8212074	0.7510522
Relinol-binding protein (MBP)	1 8829083	0.84835108	0.86799467	0.6905128	0.88417155	0.79430910	93007100	2 0508043	2 0998929	1,1205976	1.0765427	1.2054821	1,0334755	1.0696189
Very long-chain acy-con Synulause	1,0350193	1.6436157	0.90702975	1,2751071	1.3960745	1.2004010	4 0511173	1 1291132	0.9478669	0.91719455	0.9369482	0.9576998	0.9243795	4 7034435
Syndecan-	0.80063415	1.124781	1,1083966	1.0016823	1.036157	4 408444	1 4387472	1,5380406	1.779954	1.5757778	1.296319	1.2824025	17/00/11	0.6852828
December 1 Det 145	1.4093932	1.2653792	0.8604936	1.4302001	12100121	0 02687198	0.6224805	0.70304996	0.66409034	0.6340636	0.6624/4/	2001343	O.F. SUSTER	0.44811565
Prieso-1 noi-143	1,0086191	1.011621	0.87543017	0.6356353	0.765338	0 8455435	0,68433857	0.65295595	0.62979645	0.4878097	0.65466374	0.41624737	0.00333000	1 0419314
Phase-1 RCT-89	1.0571524	0.64431	0.6265/005	4 2678344	1 4873061	1.3692182	1.1542474	1 2307341	1,3435622	0.7452555	0,8651663	0.7340056	13945466	1.7211853
Samondaemic reticulum calcium ATPase	0.731682	0.678492	DODINE O	4 060475	1 2175983	1.086588	1,0451134	1.034116	0.9554697	0.8071213	0.7053227	4 553000	1 00033	1 2205852
Abha-2-macodobulin. sequence 2	1.6258769	1,7354616	1.77.73	C 1 200 1	0.88172287	0.9129091	0.8214892	0.7521097	0.75246584	1.5292451	12552148	11440285	1 1534766	1,031852
Phase-1 RCT-204	0.9099325	1202560	0.8403303	0.00452455	0.9757528	0.9748777	0.94095635	1.0510687	0.9906874	1.2348491	0383000	1.1143000		
Vascular endothelial growth factor	1.198652	0.6333700	1210180					!	1	2000000 B 402E603B D 61113775	0.61113775	0.44652387	0.674601	0.34655046
NADP-dependent isoctirate dehydrogenase, cytosolic	4 20477809	0 76618695	0.6230808	0.71136993	0.7278209	0.711077	0.4627577	0.5217453	0.3940006	1 114841	1.1794631	1.1767842	0.5010191	0.8406657
Call and the second second	1 010043	1.6588	3 0.5949372	1,0416334	0.9111484	0.99591047	0./550025	0.6500397	0.51077724	0,41939798	0.76207477	0.3934267	0.76420957	0.4661219
DNA binding protein trational 102	1,481450	4 1.773566	1 0.803011:	0.81971675	0.7083361	0.7363462	4 055002	4 1592771	0.78237045	0.656421	0.46883054	0.19282891	0.883265/3	0.83465600
Cilitatrione o-transferance i a	1,381543	9 0.7114097	5 1.4171036	1.0782284	1.094103	0.70202603	O ARTROPAS	0 58024704	0,60479915	0.4982642	0.69482243	0.4730227	1,034504	0.1443240
Epoxod nyor mast factor i	0.979934	9 0.853482	9 0.4591618	0.9474567	0.835334 0.7030	0.70302103	1 2717181	1.33126	1.450584	0.9252912	0.8342229	1.1431897	0.7080122	0.505931
Constantantin H synthase	0.9533921	5 1.160605	3 1.732974	1.154390	0.9592823	0 9838595	0.7840097	0.8221786	0.8778877	0.9527533	0.9050437	0.974610	4 455142B	1,1607091
Phase-1 RCT-136	1272829	1.42500	5 1 232314 4 6 4806079	0.0013001	0.6015746	46 0.61981833	0.33729786	0.4269881	0.4066204	066204 0.65724635	0.61/3654	1 0262414	0.95415413	0.8600434
Phase-1 RCT-137	1.014644	4 0344065 0 07	36	1 128525	1.06169	1,1446245	1.0017418	0.99812376	0.9891192	1.138338	0.30780	0.6351321	0.84233063	0.87548906
Phase-1 RCT-138	0.0066410	A 7599675	874	9 0.7014156	5 0,7161993	0.82847154	0.7369652	0.685963	0.099642	0.0849737	0.9251458	1,0660801	0.9321561	1.054955
Hepatic lipase	0.5000113	0 7740475	5 0.885159	91 0.81264585	5 0.76003295	0.7656317	0.51961756	0.6792664	10021200	0.3013/3/	0,68734616	0.60698223	0.8963108	0.96355116
Phase-1 RCT-164	4 34703	1 0 8973996	1,009082	6 0.93792	1.009849	0.9459673	1.0739895	1.095630	4 2587016	1 830566	1,56466	1.3896784	0.7886186	0.76842034
Acyt-CoA dehydrogenase, medium chain	1.79470	1.000418	4 0.749	4 0.770288	2 0.93701667	0.9495422	0.86878696	4.435340	1 4519048	1,3101182	1.1151174	1.2629411	0.8207663	0.82131267
Glutathione S-transferase TDZ Submitte	0.8841	1,850456	1 1.574280	5 1.226520	1 1249293	1.14810/2	1.4727517	0 719755	0.6630136	5 0.8081910	1.3401084	0.8316048	1,0605997	0.83040613
Carbony reduction	1,99833	7 0.6185795	7 0.5656205	4 0.764524	5 1.001133	0.7532135	0.6172736	0.624815	0.7937835	5 0.8953780	5 0.8775564	644 0.82449925	0.860/66/4	1 07111829
Andinomien F	1.123193	24 0.90062	7 0.5407771	0.780373	D BANATO	0 86216784	0.958404	0.93894	7 0.949222	3 0.707611	0.56061924	0.546/5504	0.678788	0.46590477
UDP-ducuronosyltransferase	1.47734	0.7110	0.60673	7 0 919233	2 0.9346590	1.0269729	0.9870015	0.946415	9 0.959634	5 0.9959916	0.7903/21	43880185	1,5568849	1,8656458
Ghutathione S-transferase P1	1.602479	4 0.334.74.34.34.34.34.34.34.34.34.34.34.34.34.34	7 0.4214744	6 1253927	2 1.22399	5 1.3024898	1.7934401	1.305937	7,52307	A 0.45657.45	8 0.7481499	6 0.7364111	1.0848693	0.84891844
Disultide isomerase related protein (EHD/2)	0 047625	55 0.69100	8 0.7927404	6 1,029638	6 1.021774	4 0.99858195	0.5977294	0.7435036	E 0 8308723	6 0 4916613	4 0,7353487	6 0.50912476	2.692164	3.0194764
Ribosomal protein L13	1.0692	94 0.60092	73 0.54024	2 0.9182136	7 0.8185761	6 0.8085105	0.7696907	1 045123	1.043577	9 0.625028	1 0.7452196	5 0.65089536	1.7876494	1.8562515
Certipolasmin	1,33796	67 1.11683	35 0.861926	1.123375	5 0.927541	1.313174	0.0230.70							
INGREDICAL FORM IT THE TANK IT THE														

							77776	1000000	1770000	10050000	12300000	1 0300307	1 1520ART	A 3274736
Phase-1 RCT-3	3.76990856	1.076447	1.0939782	0.9582916	0.9347011	00000000	0.7434117	0.4554224	0.9022414	95026022	0 94352317	0.72833116	0.82585076	1.427682
Fetuin beta (Fetub)	1.6/6396	0.4016265	0.207313	71000007	0.8454905	0.0353303 0.8213481	71590674	0.6936974	0.659799	0,64931464	0,77761877	0.6270191	0.90812445	0.7316372
3-hydroxylsobutyrate dehydrogenase	1.200,003	0.3143370	0.000000	E7366767	0 036387	0 8342833 0	46757162	0.5058463	0.73017836	0.44618666	0.53078806	0.4707676	0.9170497	1,5135932
Carbonic anhydrase III, sequence 2	1,2003504	0.40000120	0.02370140	64906374	72460264	0.6829884	0.4616276	0.53810006	0.62484264	0.54757696	0.7168711	0.4817635	0.59489205	0.5933327
Phase-1 RCT-10	1,4409567	0.7034323	0.04107070	17990000	0.6477364	O EROAEDA O	3102R6R5	8871063	0.5819161	0.3643467	0.4040345	0.30749255	1.2106907	1,518368
Alpha-2-microglobulin	1,221363	1.0303032	O COOL	, 200000 r	1000000	0.0534842	0 5504790	0 54500RB	0 5547701	0.88899726	0.9804812	0.8576619	0.9982495	0.8877794
Oynamin-1 (D100)	0.74382885	0.8636/500	0.02207.3	4 5904445	4 35030	4 308R70R	1 6269708	1 9080174	2,6890779	0,6673881	0.8882021	0.71592665	0.9450107	1.0889338
Lysy oxidase	0.028187.24	0.700024	0.87312430	2400040	0000000	4 0404042	41004205	1 ARDERRAS	0.4962888	0.2575677	0.36336455	0.19474936	0.56035715	0.38281167
Phase-1 RCT-252	57501577	4 4200454	4 0500464	4 4 770000	4 0608712	1 27R1R5	97839046	1 0963651	1,032094	0.99145657	0.87677824	0.9432818	1,1317668	1,2555859
Phase-1 RCT-29	1 2253401	1.1300434	1.0300940*	4 2220E3R	0 92284024	1 0811145	0.908467	1.1967525	1.0185305	0.6032019	057165	0.53538024	23213344	1,4524776
Phase-1 RCT-278	1000001	377776603	4 03777705	7005056	0.8440833	0 8047080	0 70572405	0.7940238	0.6862603	12125504	1.292789	1.163411	0.90846527	0.8409699
Phase-1 RCT-42	1,2203873	74524843	0 8008500	0.000000	0 9R7567B	1 0453296	84585965	0.87870014	0.8067434	0.88231206	0.8173051	0.82555105	0.89211228	0.91553676
Prase-1 RCI-25	COCOOL S	0.7 103 1013	4 4206442	0.5430400	0 7778042	0 7267713	1 4300544	0.8061268	0.8263122	0.49695128	1,03909	0.5786471	1.8707821	4.951236
Cytochrome P450 2C11	0.84/03453	0.91970020	1.1230113	0.0102100	0.777.0012	0.0470736	87702840	0 8975185	0 74289465	0.85015655	0.9159472	0.7909793	1.0349051	0.9189712
Phase-1 RCT-202	1.455118/	0./106036	0.0046/16	0.07.240203	0.9301003	200	0 6820742	0 707.449	125.RG	0 74668545	0 8359527	0.7303353	1.0366135	1.1208212
Complement factor I (CFI)	1,9674982	0.7143198	0.47993394	TUESTER O	1.0082383	0.9040123	21 /02000	4 00000	7,0000	4 0320777	4 ACRAER	2 0935925	1 0204445	2 056137
Proliferating cell nuclear antigen gene	0.7797875	1.5708321	1.4997784	13992065	1.4459836	1.3589199	20/5/	77C0006	1.33432.14	335355	2000	1	0.04007647	4 57/7051
Activating transcription factor 3	0.87055165	3.080833	25.819933	1,7783788	38048	1,3087331	1.7502118	1.6803215	2./88536	4.301/24	2411000	9.10330	4 5040000	4 4551983
Focal adhesion kinase (po125FAK)	0.74363166	1.0788057	0.88502824	1.0165051	0.97726935	0.9479876	1.0883276	1.161601	ā	0.74937820	10000	0.707070	12010200	O ECCR107
Dhara 4 DCT 389	1.1815758	0.7338429	0.71361667	0.75779	0.7900196	0.80389607	0.4963911	0.54380053	0.57642025	0.61253246	0.6574029	0.004 802B	1000110000	0.0000
DATE OF 1250	0 9364912	1 1594129	1.0893313	1,2220463	1,221383	1,1585779	1.1906124	1.1834676	1.3246932	1,9807171	12379681	1,8969477	0.44(1930)	3,323/1/0
the measuring alonget binding protein	1 6793947	0.4641822	0.49618638	0.6346712	0.62802964	0.6875836	0.6063271	0.522027	0.5200608	0.59389475	0.6962427	0.5677659	0./518585	0.45/61454
The state of the base of the state of the st	4 0584044	1 6154394	1 1893224	1 8027383	1,6763335	2,1896572	2.2453513	2.1532924	1.9826437	2.5039837	2375702	2.9335883	1.5030735	Latuect.2
MAC Gass I anugen K 1 A (() anua-cuani	1 1 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2	0.37346072	0.466206	0 7705742	n 82182616	6 0 86594866	0.4396855	0.42640102	0.5441764	0.6025198	0.84838854	0.5141017	0.88375676	1.1436111
Ary suitotransierase	1.1363332	4 24 7024	00000000	4 2035077	4 4501079	1 4790784	1 6231786	1 7857469	1.9949212	1.0872211	1.071482	0.97217345	0.97918075	1.0791214
Phase-1 RCT-171	0.00322734	4.21/031	3.0223002	1200001	20000000	, 60045004	50403043	0.6130616	0.522361	0 R5947745	0.7436034	0.6526623	1.1529116	0.865846
Phase-1 RCT-83	0.66379505	0.57760215	0.682//23	0./34898	0.78042833	throad a	0.004030	0.00000	0 22254277	0.404.47773	0.56507355	0.33CR2C15	0.51080924	0 24696726
Phase-1 RCT-270	0.9952139	0.28924515	0.30679255	0.42279276	0.5645848	0.601451	0.3/148/62	0.33162303	0.000000	27711047	200000	4 0504473	4 0522620	4 07705B
Colonyation factors	1.6157281	0.9822437	1,0962149	1,0095385	1.0924473	0.9091654	1,6532322	1.3945118	1.4828888	1.0003028	0.3040374	1,000 1423	1302002	1,0170
N collecto	0.9025749	1.4551457	0.8943646	0.94862854	1.0244616	0.94529164	0.9197707	0.95273846	0.84445584	0.68326515	0.7747342	0.61833626	/1 MG/GG/	1,00/2/00
N-Calletti	1 0978498	5 4447427	3.6026077	1.3090723	1.3678751	1.6256955	1.7990571	1.9777837	2.381932	1,2800819	1.3046211	0.97863965	0.797/378	0.7674339
Fusient Roll 62	4 4448693	D 69525063	O 9746REGG	1.046796	1.0720685	0.92511845	0,9351244	1,1270995	1.0632728	0,7330,7866	0.78479606	0.67270553	0.67308486	0.82834103
Prase-1 RC I-22	0 6058408	0.90479666	1 2390915	0.900798	0.92878395	0.90364087	0.75212264	0.87915534	0.7845656	1.1667881	0.9615662	1.1649761	1.1529136	1.1333535
Al-S	0 7648748	0 5869314	1 0900828	0.89715505	0.91665715	0.9115502	0.7632367	0,83176327	0.79235566	1.0719212	0.9293661	1.0218002	0.89520614	0.6917099
Phase-1 KCI-18	2000	0200000	0 000445	0.00765355	0 9070690	0 00675247	0.76317066	0.80265874	0.87392914	1.010477	0.9495598	1.0569363	0.9628128	1.1209729
Phase-1 RCT-123	0.77413050	0.3003030	0.000110	4 0404405	1 10631/8	4 1420103	1 36955.1F	1 2971989	1.185088	0.5796108	0,85207486	0.53227115	12234718	1.0994276
Phase-1 RCI-66	0000/1000	2.4	2000	2										
Equilbrative nitrobenzytinionosine-sensitive		2000000	000000000000000000000000000000000000000	12200222	0.6436640	0 6679067	0.49503452	0.49750012	0.4519077	0.52313083	0.6585533	0,53679043	0.94005525	0.72394365
nucleoside transporter	0.8715434	0.53494364	0.44810086	0.5/161/14	4,400,00	4 9600007	4 7500070	4 5588977	4 6880615	16471918	1 7501007		0.48266715	0.6778663
Glucose transporter 2	1.2268162	1.9424438	2348243	1,2248300	1.423342	1,202001	0.00000	2000000	2 2344064	4 4500126	1 1234243	1 402 1882	0.7111643	1.1582049
Mulidrug resistant protein-2	1.5154055	1.2488911	2.0053098	1.6261132	1./449061	1.4209333	2,000/103	2 4606788	2 0010513	1 3449700	1 1654403	1 4592565	0.8898751	1 4669886
Mulidrup resistant protein-1	1,7888969	1.2194726	2.0891721	1,5962315	1.4991003	1.4098299	2,4402385	21000100	2,0010012	1,007,004	4 700046	4 7600436	4 0720083	1 25175AB
Phosobalidylethanglamine-binding protein	1.5985539	1.1577157	0.8251732	1.1228001	1.1198587	1.3965826	1.0168259	1.01031/9	0.905/312	1.80/0031	4 2005204	4 4025507	4 2623245	1 1630704
Phase-1 RCT-180	1,4201331	1.1617637	1,3948097	1.4070307	1,3807008	1.1516536	1.6127186	1,780/8/5	1./301528	1.4302473	1,3300234	4 4047000	4 0050484	4 0784873
Acied phoeto	1,0363377	1.0828016	1216366	1.0506382	1.1610575	1.0161141	1,2358633	1.2353239	1.1844147	1.5544020	+071/77	1.104/300	1000000	4403000
NADPH Adochrome PA50 oxidoreductase	3.2657955	0.6860144	0.94765896	1.5222464	1.4470071	1.9115843	1.8581034	1,5537935	1.7538813	2.7566848	1.889/55/	1.7030345	7000000	4 47077723
Mark	0.8310489	1,3573456	1.4912806	1.1303027	1.1454095	1.1591333	1.5165863	1,3578335	1216768	2,8773394	2,094965	4.4103683	1.0422372	1.1/0//25
Cadescone settential contento 5' and 3' 1 TR	7652575	3.1556017	3.3332348	1.4909548	1.1675601	1.9349821	3.8377452	2,548478	2,6264768	0.75492465	0.77555245	0.62078494	0.50143386	1.7314000
Disco 1 OCT 53	1 149247	1,1151935	1,2662133	0.8791321	0.8919922	0.94042283	0.9346931	0.87893695	0.8156814	1.4891045	1.4922466	1.2920774	0.8645849	1/00001
Diese toor Ed	0 8881614	1 2109526	1,5785406	-	1,0186684	0.9747917	6.907879	1,0368615	1.0544405	1.0784216	0,912899	0.98443556	1,0039141	0.90118665
December 1 DCT 2240	0.8160097	1.2583364	1.4070643	1.0565246	0.974571	1.0843661	1.1503016	0.963283	1.0348198	1.631624	1.4845358	1.6515245	0.6212345	0.603071
Ordensonlin	17172766	0.6827101	0.5563333	0.8383603	97717760	0.82253903	0.91061866	0.85976106	0.83563167	0.82318044	0.7670799	0.715/2036	1,008/8005	20150
Occupation transmitted and and address	10561644	0.9352096	3,4884732	1.66128	1,2595328	1.0353825	0.8817961	0.82191163	1.045952	0.76391387	1,0311595	0.5719189	0.6726017	0.5638307
Organic and in angoning paypopular	0 77054065	1 9391848	1.5588313	1,708793	1.1387742	1.405803	1,5395156	1.6795062	1,3676302	1.3357165	0.9995984	1.1693994	3.302751	5.835.304
Transfer nethers inhibitor	0.7072072	0.9658679	0.92617023	12133422	0.8838214	1.0738444	0.8819546	1.1353949	1.1683875	0.99494493	1.1246347	1.0570647	2,4100611	2,7514198
Curlin-dependent kinase 4 inhibitor P27kip1 (afternate												,	5000000	0 71000E14
done	0.7367664	2.4617383	2.3758519	1.9880528	1.6078707	2,1350653	3.403958	2.022662	2.0743952	1,817,289	1.4354372	1,007.37.91	4 4057544	4 4770074
Phospholipase D	0.6072967	1.2685305	1.2634388	1.373741	1.3506504	1.5624208	1.7619499	1.7192835	1./59650	1.1332811	1,0104197	4 4074504	1 24R4177	1 9423883
Phase-1 RCT-39	1.2173334	12299783	1.2608265	1.5304945	1,5406138	1.6019932	21210551	1.722/20/	1.0744020	1.004001	1 0165917	4 0312608	0 9380529	0 88243055
Phase-1 RCT-258	1.0367173	12945492	1,2439004	1.3259692	12458843	12269363	1,2184597	1.3149795	301000	4.4400553	1 202061	1 4002857	1 1639537	1 897007
Phase-1 RCT-113	1,3668079	1.1069076	0.9632088	1.0305027	0.9227841	1.023018	1.0454720	4 24 55004	4 969675	0.05065576	0 90432596	0 73167944	0 56217223	0.78746545
Adenine nucleotide translocator 1	1,3789467	0.6547081	0.597232	0.9083422	1.04/05024	1.012045	4 54 84 84 8	4 4663189	2 3100363	2 1709914	0.7942228	1.502966	31,327219	38.506073
Alpha-1 acid glycoprotein	1.4127148	0.95996765	0.47651073	1,2836//8	1,5121021	1.6 (456644	1.04040304	777767777	0 59096974	0 8222332	1 0679607	1.1473274	0.65525264	0.727059
MHC class II antigen RT1.B-1 beta-chain	0.61415976	1.0290122	0.8135/3	1,230103	1,5131324	1,0455501	1.0040204	0.34621111	20000000					

											-			. 200
			- 1	4 20005	1 26713691	1 100909	1 7612047	1.581279	1.4902991	1.2526077	1.066767	1.1494646 1.3166937	1.3166937	1.6819306
Connain matter francounter 3	12371482	1.3045697	1.032416	4	200	L	A DATE OF A	15/1/06 1	1.4366746 0.86038107	0,86038107	0.8736076	0.7000689 0.84720814	84/20814	0.000
cape	0.88015145 0.8801164	0.8801164	1.1706212 1.0920081	-	1.1329020		1 0427040 0 020205 0 05726347	2000000	0.95726347	1 5522428	1.3757614	1,3757614 1,5448341 0,6846597	0.6646597	0.7963425
	1 1309488 1 2291051	1 2291051	1,375808 0,96824867		0.92383516	0.9737233	1.042/043	200000	000000	4 1918822	1 0000555	1 0715458 0.8705536	0.8705538	0,6840691
	A 07524266 1 1414988	1 14149RB	1 1978563		1.1354293	1.1354283 0.97978145	1.1993622 1.0611384 1.0691262	1.00.1	1,0031202	2000000	33000000	O REPERME	0.90629	0.74127454
Phase-1 RCT-45	0.01.00	2000	70300000		0.8052073	0.0012313 0.0012313 0.7085459 0.7365276 0.69153454 0.700000 0.7369725 0.7365275	0.7085459	1.73663276	0.69153464	0,700007.0	1300120		4 004050	2 AARABAA
Malate dehydrogenase, cytosolic	2.4468155	0.4623384	1.40333300		4 E157024	2 935202 6.0762467	6.0762467	4 27 3827	4.1250467	1.0163584	0,8813139 0,72/4023	0.7274023	2571/01	200000
V. 30 element	0.65965205 6.8535248	6.8035248	5.99/013	4.000/2047	A4060074	4.06/2371 0.69488984 0.5292517 0.69488984	0 5292517	0.69488984	0.6401344	0.6941226	0.6941226 0.7456171 0.590/6/8	0.590/6/6	1.0146030	4 600 4440
Change of DOT, 189	0.8068884	0.8068884 0.5906469 0.63959073	0.63999073	1,0410000	1000001	4 2000072 4 6460765	4 EACOTES	1 4245417	1,62581	0.982604	0.982604 0.88397115 1.1312052	1.1312052	1.1350025	1,000
COLUMN TO SERVICE OF THE PROPERTY OF THE PROPE	0.78223586 1.1485858	1,1485858	1,0084283	1.2486354	1.362/291	1.390007.3	9000000	0.0407597	0.5545729	0.6495006	0.6495006 0.9049223 0.71526206	0.71526206	1.1477915	1,0392889
Appra-recovered	1.7706771	1,7706771 0.67945886 0.5537807	0.5537807	0.6351688	0.92206983		000000000000000000000000000000000000000	Socrete	0.0183018	0 9378313	0,7967408 0.8809996	9666088'0	1.0687052	1.1241575
Cardianum	0.81723726 0.9987003 1.0067439	0.9987003	1,0067439	1.0586871	1.0055978	3	0.1000170	0.00000	0 821383	1 303262	1.115007	1,115007 1,4238774	0.8087276	0.7465392
1035UE prostitingen activation	1 2913831	1.0014521	1,0014521 0.89281166	0.9177454	0.9683613		1.06002 0.650255	0.00000	0.4087249 0.56247616 0.75555944 0.66812885	0.56247616	0.75555944	0,66812885	1.4399964	1,641333
Present RC 1-130	0.88961846	1	0.7515554 0.40380043 0.8051332 0.69551075	0.8051332	0.69551075	0.6823696	0.6823696 0.4013535 0.5551559	0.3001000	0.77067493	0 9028517	0 9028517 0 93084025 0 8933199	0,8933199	1.0060807	1.160936
Liver latty acto binding protein	1 7877657	0.84572756	17677657 0.84572756 0.64819163 0.82985234 0.8888654	0.82985234	0.8888654	0.8907637 0.626.387.36 0.74007.06 0.7736	0.62630/30	001100	4 0044736	1 2057941	1 0839139	1,1976666	0.7477118	0.78364056
Apha-1 merodionaminisment premises (with particular premises (with particular	0 73158765	1.0927691	1,1407583 1,0190665 1,0712765	1.0190665	1.0712765	1.0446794	1.1/25116	1.1000410	1.1725116 1.1060416 1.02147.30	A BOSCARA	A ROSERRY O BOSOSCO3	0.8585381	1,4446998	1.1914624
Prase-1 KCI-294	1 3090081	0 59424675	0.59424675 0.68033364 0.88619465 0.8202499	0.88619465	0.8202499	0.9067046	0.93119156	0.3404340	0.9067046 0.93119150 0.9404500 0.000000		1 0200275	1 0854615	1.0557946	0.6553334
Phase-1 RCI-151	74844004	1 2116151	16058261	1 6058261 1.3216422 0.94215226	0.94215226	1.0302746	1.0367572	0.9658528	1.0367572 0.9658528 1.0000362	. 4327050	COUGETC		0.85457	0,8301904
Phase-1 RCT-158	404100	ı	4 400000	4 40000E 0 08778774 0 9001572	0 9991572	1.0352503	1.0309238	0.9353919	0.99113373	1,435/620	-1	,30,000	4 0.450244	O BERETTOS
Phase-1 RCT-221	40388	- 1	200001	0.3010010	7500000	0 99888116	0 9217549	0.90047294	0.9217549 0.90047294 0.83631593 1.4304942	1 4304942	13207196	1.4331231	2000	0.00000
Dhara 4 DCT_275	1.3092732	1.2579489	1.3024855	1/95050	201001	1.3024855 0.9594677 0.57501231 0.550472 0.02442706 0.74964244	0 00115706	0 74964744	0.8307454	0.8307454 0.74523276 0.95565975 0.65792376	0.95565975	0.65792376	600000	U./1033/04
Control of the language of	0.7832532	0.7832532 0.94709694		0.8177633	1,007/450	0.0430413	2 4 4 7 TO 4 4 1 3 4 4 1 3 4 8	3 EA133AR	321563	3 2151663 1 2833747 1.1878209	1,1878209	1,369808	0.9790733	1.2289183
Organic al Roll units police 5	1.0067065	22192895	1.0873777	1,5778139	1.8503144	1.8503144 1.6198367 3.1427204 2.0000000 0.000000 0.5307884	3.142/304	2.00100	A 254 10604	0 5386493	0.5307984	0.5049692	1,3063173	1.3042926
Mainx metalloprocessor	0.7735106	0.4575613	0.15526676	0.48416182	0.5594658	0.44183472	0.20122/8	2 5550120	2 3804655	1 2608567	1.0585625	1.0585625 0.9283719	1.0228524	1.011959
Unitary protein a precursus	0.93942064	Ī	0.9886604	1,5980073	1,3786545	1.3786545 1.894914/ 4.0089/63 2.3300122	4.0089/63	2310000.7						
Fn359-1 RUI-614														
(4) Gene expression data for 6 hour timepoint are				•										
Imported as mean ratio of treatment/control for all 6														
hour predictive genes (Table 18).														
(2) Compound and dose abbreviations as in Table 1.														
(3) Individual animal number														
(4) Liver inflammation classification for compound-														
dose group at 72 h; yes-nect, necrosis observed; yes-	_													
both, necrosis with inflammation observed; no, no														
histopathology observed									_					
(5) Predictive gene (as in Table 18 and as included in	_													
Table 26)						İ								

Table 28. Expression Data for 6 Hour Timepoint (1)	
Compound-Dose (2)	LPS 8
(3) flammation Classification (4)	yes-both
Gene reams (5) Insulin-like growth factor binding protein 1	4,588317
Gadd153	2.851768 1 09R753
Service	1.1398163
Cathepsin L, sequence 2	2.0055484
OXYDER.	4.120/45
Phase-1 RCT-109	0.9824904
Aninhos prinate lysse	1.323768
DNA powmerase beta	1,3628855
Phase-1 RCT-103	0.9464993
Ribosomal protein S9	1.392015
Phase-1 RCT-114	1 6526421
Macmahana inflammatory protein-2 alotta	2,5921078
protein (PC3)	2.8348636
Phase-1 RCI-191	2.400022
mase-1 roll-as	2.3634803
Phase-1 RCT-108	0.8179527
뒇	50.688166
Phase-1 RCT-192	1.0859823
Phase-1 RCI-75	0 7213042
Phase-1 RCT-95	0.93166834
Cystatin C	1.34532
	2252741
Phase-1 RCT-9	3,5787094
Phase-1 RCT-156	0.991027
Cofflin	1,5795441
Phase-1 RCT-127	1.649037
Macrophage miantities y proteins alpha	2.42004
Phese-1 RCI-73	0.5999307
Glutamine synthetase	1.4402160
C46-binding protein	2.140085
Phase-1 RCT-242	3,6428614
Phase-1 RCT-50	1 39R347
Elongation ractor-1 alpha Integral hata1	1.861072
Insulin-like growth factor binding protein 5	1,4014114
Phase-1 RCT-59	0.82816344
Phase-1 RCT-76	1.26/3161
Ferritin H-chain	0.408482
Selengroleth P	0.5242306
Phase-1 RCT-214	0.54829186
Phase-1 RCT-112	0.699569
Mates	0.46143058
Phase-1 RCT-13	0.6796462
Chalesteral 7-aloha-hydroxylase (P450 VII)	0.78597
S	0.747265
Phase-1 RCT-260	U./ 100-21

Processed Roses 1,8340841 Phase I RCT-280 0,46258143 Phase I RCT-280 0,6675073 Oylochrome PASO RC39 (alternate clane 2) 1,0710308 Phase I RCT-280 0,4544448 Phase I RCT-281 0,4544464 Phase I RCT-281 0,4544464 Phase I RCT-281 0,5650719 Phase I RCT-281 0,8657266 Phase I RCT-281 0,8657266 Phase I RCT-281 0,8657267 Phase I RCT-281 0,8757386 Phase I RCT-281 0,8757367 Phase I RCT-281 0,8757367 Phase I RCT-381 0,64590714 Phase I RCT-381 0,64590246 Claira Vencinos Scharisterase (hela-1) 0,64590246 Claira Vencinos Scharisterase (hela-1) 0,64590246 Phase I RCT-381 0,747890 Phase I RCT-381 0,747890 Ciliary cemptrophic factor 0,7451660 Phase I RCT-381 0,747890 Ciliary cemptrophic factor 0,7451660 Ciliary cemptrophic factor 0,7451660 Ciliary cemptrophic f	Phase-1 RCT-72	1,5678983
errase alpha 6 C29 (alternate clone 2) 0 A2 A2 A2 A2 A2 A2 A2 A2 A2 A		1.8940941
crasse alpha Az Az Az Az Az Az Az Az Az A	1 RCT-288	6 0676073
effects a lights	-1 RCI-90	3.00/30/3
ferase alpha 0. 2 B 0. 2 E 0. 2 E 0. 2 E 0. 2 E 0. 3 Errase theira-1 0. 3 Errase theira-1 0. 4 CoA synthetisse 0. 3 I growth lactor 1. 4 CoA synthetisse 0. 5 Educar 1. 6 Eferase Vo. suburit. 6 Eferase Pro. suburit. 6 Eferase Pro. suburit. 6 Eferase Pro. suburit. 7 Eferase Pro. suburit. 8 Eferase Pro. suburit. 9 Eferase Pro. suburit. 1 Eferase Pro. suburit.	4	0.4544494
remase alpha 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0		1.8972265
ferase treta-1 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	emase alpha	1,4112136
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	RCT-145	0.8149781
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cytosolic	Phase-1 RCT-204	1.3370055
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ruhase ruhase, medium chain sferase, Vzz subunit e transferase sferase P1 sferase P1 Li an and and protein (ERb72) Li 3 r H4 heavy chain (Bibl4)	sterase Ya	0.71296144
redium chain (Yb2 subunit (C) ese (F) of protein (ERp72)	bsufin-like growth factor I	1.0321839
n redium chain 1702 subunit 1702 subunit 1702 subunit 1703 subunit 1704 subunit 1705 subunit 170	Prostaglandin H synthase	1.1223301
138 158 169 169 169 169 169 169 169 169 169 169	Phase-1 RCT-136	1.2653257
64 drogenase, medium chain ranslenase 172 subunit sasse E E E E Sylfransferase ranse related protein (ERp72) ein 1.13 bilor 144 heavy chain (Ilih4)	Phace, 1 RCT-138	1.0430855
164 Ougenase, medium chain ransferase Yb2 subunit tasse E E E Siffications Sifficat	Hepatic lipase	0.89394796
drogenase, medium chain cansierase Yh2 subunit tase E E Syltransferase Syltransferase ei arrainenase P1 ein L13 ein L13 blor H4 haavy chain (Ilih4)	Phase-1 RCT-164	0.6547884
	Acyl-CoA dehydrogenase, medium chain	0.8646032
	Glutathione S-transferase Yb2 subunit	0.6576478
	Carbony reductase	0.9404447
	Apolipoprotein E	0.76939094
6	UDP-glucuronosyltransferase	1.1627775
	Glutathione S-transferase P1	0.6474369
	Disulfide isomerase related protein (ERp72)	1.3454714
2	Cerdodasmin	3,4815764
	Inter-alpha-Inhibitor H4 heavy chain (Itih4)	2.1815777

1,22781 1,0268188 1,1377836 0,07446001 0,07446001 0,07446001 1,010356 1,010356 0,0556986 1,514183 0,00036 0,00036 0,00036 1,19478 0,00036 1,194246 1,194246 1,194246 1,194246
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1.1371635 0.5806033 0.37446007 0.374712 0.565686 1.362892 1.5141633 0.8229853 0.93714779 0.938667 1.1942462
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Organic cation transporter 3	1.4637911
Hypoxia-inducible factor 1 aipha	0.79341966
Phase-1 RCT-43	0.5404529
Phase-1 RCT-45	0.3719522
Malate dehydroenase, cytosolic	0.8418461
VI30 element	2.8028948
Phase-1 RCT-189	0.876535
Ainha-fetocrotein	1.4461476
Calgranutin B	1.0128645
Tissue plasminogen activator	1,054603
Phase-1 RCT-195	0.77532244
I wer fatty acid binding protein	1.1297392
Ainha-1 microglobulin/bikunin precursor (Ambp)	1,0846615
Phase-1.RCT-294	0.83206767
Phase-1 RCT-151	1.3944426
Phase-1 RCT-158	1.1480112
Phase-1 RCT-221	0.9822098
Phase-1 RCT-235	1.0942787
Ornanic anion transporter 3	0.6148447
Matrix metalloondeinase-1	1.3289477
Unhary protein 2 precursor	0.98741325
Phase-1 RCT-212	1.0400214
(1) Gene expression data for 6 hour timepoint are	
presented as mean ratio of treatment/control for all 6	
(2) Compound and dose abbreviations as in Table 1.	
(3) Individual animal number	
(4) Liver inflammation dassification for compound-	
dose group at 72 h: yes-necr, necrosis observed; yes-	_
both, necrosis with inflammation observed; no, no	
histopathology observed	
(5) Predictive gene (as in Table 18 and as incurated in	
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Table 29. Expression Data for 24 Hour Timepoint (1)									1			
	٦			T	T	T	2 51 50	6 511 50	4 51150	A DAC GAGA	APAP 250 A	APAP 250
6						21013	760	1035	8	12	55	2126
Animal Number (3)	1644	1645	1646	1924	1820	228	1904	200	3			8
nmation Classification (4)	8	2	2	2	2	Q.	2	2				
Gene Name (5)									1,000	0.004000	4 0027700	4 0400787
Gamma-actin cytoplasmic	1,234655	1,234655 0.89763516	1.0834413	9		1.3651288	1.1415585	1.0492632	0.8976617	_	1.0327.30	7777477
Dhase 1 PCT-145	1.1349468	0.99194306	1.0710337	1.0738083	_	0.92691845	1.2875798	1,13612//	1.2201800	_	0.30000234	00470477
Gadda5	0.9991312	0.8330532	0.8330532 0.76875794	1.2129412		1.6599729		1.37.205.91	1.0139283	1.0280342	0.000000	0 86815074
Phase-1 RCT-78	0.98064323	1.0556884	1.06886	1.0378032		1.1426469 0.99444848	_	0.82643306	4 4047906	4 6284218	1 3054457	1 6575236
Fasantiden	1.2969109	L	1.0589168	0.9647479	_	1.0087534	12/31256	1.1208033	1.1012000	1 400001	4 0778382	1 208523
Macmokade inflammatory protein-2 alpha	1.0204061	1.3235006	0.9874173	1.1621082	_		1.050757	1.3691182	4 2227006	4 2003/86	4 2740508	1 3898692
Integrin beta 1	0.9959797	0.88379914	0.87777278	1.1494998			0.968922/3	1,000,70	1,2332000	4 4845774	4 1013304	1 1588718
Phase-1 RCT-207	1.123396	1.2213591	1.0871301	1.0950805	_	0.972094	1.8437409	1.8543331	73000187	-	0.84655246	0 96196043
Aspartate aminotransferase, mttochondrial	1,0334517		1.0605085	0.7452737	의	0.7616781	0.8010431	0.710993	4 0075405		1 2062446	1 2835386
Casein-alpha	0.95898557		1.0674243	1.3407464	4	CZ0072	1.1210321	4 4073470	4 9494615	-	0.99244964	1.0903041
Malic enzyme	0.94202816		1.5068952	1,2900/16	ㅗ	1.4/03/200	10150489	1 473054	1 0887899	_	1.1476177	1.3196821
Phase-1 RCT-30	0.97342217	_	1.0331055	1.3821//4		2700077	4 0007458	1 22/ARR	1 0916853	1 1703291	1.2434667	1.171715
Hepatocyte growth factor receptor	1.3389288	-	1.1249412	1.2349441	1.42225		0 85718745	1 0085358	0.90534127	0.9758264	0,9617103	0.95272803
MAP kinase kinase	1.0824237	_	1.0826418	0.8540512		1.0040104	0.037 10745	0.6030681	0 8464776	0.5893806	0.9030097	0.708357
Sodium/glucose cotransporter 1	0.51595306	_		0.6764013	0.0374402	0.7643034		0 62349147	0.5587853	0.6651117	0.65771854	2,1333268
Phase-1 RCT-27	1.5090299	4	٦.	1,2930/73		4 54008001		1 1668703	1 1848195	1.0551788	1.089631	1.103832
Phase-1 RCT-50	1.0811491	1,1751633	_	1.3123/28	L	_	0.0246004	O R2325786	0.875704	1,1178906	1.1181488	0.8020556
Phase-1 RCT-192	1,1132158	-	4		_L		0.92125154	0 74812967	0.82015973		0.83820605	0.76336026
Phase-1 RCT-288	0.79123664	-	0.7317085	7	0.0005374	4 243024B	1 0544777	0 9756728	0.9541688		1.0052108	0.94906
Phase-1 RCT-37	0.8961507		4		+	1 0156827	1 0696878	1 1952068	1.0582124	-	0.85632396	0.8057378
Organic cation transporter 3	0.98723084	0.91449463	0.9608354	0.77700368	10	0 7249129	0.9687549	0.8730169	0.89056796	0.8307589	0.8993789	0.7420199
60S ribosomal protein L6	0.96022713	_L	4			10132923	1.178386	1.0754057	1.1371926	1.0537328	1.0233865	1.1575507
Zinc finger protein	CACOACO	ľ	1_	١.		1.0895544	1.0895544 0.96229047	1,155073	1.0224754	1.1632959	1.2424307	1.0952004
Cagrantin 62	4 20340274	1			_	0.84051377	1.1966172	1.0789943	1.215396	1.0370384	1.0159979	0.9002337
1-01 1-01	0 75784415	1_	1	0	L.	0.88243824	0.8727324	0.72253066	0.830805	0.65971196	0.871622	1,600000
Descent DCT-116	1.2405229	↓_	-			1.8067253	1.3189983	1.4116362	1.2567182	1.5123701	1.3967/30	1,3508334
Matrin F/G	0.97443837	L		Ц	_	0.8797073	1.0522085	1.06837	1.2039246	1.2313130	1 0000000	1 1453409
Mutt. homologue (MLH1)	0.9261704		_			0.9161042	1.0419033	1.26/3246	1 073147	1 209992	1 2360295	1.1634586
Phase-1 RCT-79	1.0508325	_	[1.3989241	1,1040070	1 0894868	1 0792575	1.102058	1,1835359	1.1087711
Sorbitol dehydrogenase	1.6045861	4	1.4/81890	1,0771313	4 44524	1 0587475	1 247B442	1.2494008	1.2949413	1,2104003	1,2700951	1.232263
Phase-1 RCT-24	1.1957718		┸	1	·	1 160517	1.2067721	1.206681	1.0149858	1.2212865	1.2214321	1.1338499
Calgranulin B1	1.07 10234	0.000000	10	٦٣		0.64501476	0.7887983	0.7970261	0.8564949	0.8353572	0.8698468	0.9081252
Flongation factor-1 alpha	4 035788		+-		Ľ	1.0458558	1,2213012	1.1252539	0.9716736	1.0050704	1.298565	1.0625685
L-guono-garrina-ractorie oxidase	1 0367855		┺	12	L.	0.9077859	0.83877647	0.8504484	0.8223167	0.9478408	1.072374	0.8960285
Fried Policies	1 1744986		-	1.6867871	1 2.1156347	1.9463342	1.3228419	1,8350563	1.4393637	0.98352516	1,0151979	0.9/19/463
C-UII	0.63198084	_	1	1.1331162 0.98443335	_	احا	0.94239193	0.7825446	0.972825	0.89456105	4 000000	0.83133334
Phase-1 RCT-36	1,0628756	ш	Ш	0.99190915		1.0854328	0.8942561	0.9455809	0.89348783	4 42489330	1 1011055	1 20148
Phase-1 RCT-242	1,0861074	1.1926715	_	1.3877577	_	1.4220744	1.1489097	1 2403444	4 0280274	Ц.,	1 0094173	0.92262983
Phase-1 RCT-181	1.1259185	_	4	-1		0.8855687	0.8672143	L	0.8435878		0.7464	0.7109049
Phase-1 RCT-185	0.7249858	_			6 0 8444437	0.03401321	1 0111154	┸	∟	0.98253616	0.9199495	0.8235564
Phase-1 RCT-179	0.9294973	7	0.6060937	4 4000055	┸	┸	1 1220856	Ľ		0.98285544	0.9194126	0.9596442
Phase-1 RCT-144	1.0041298	8 1.01/8332	┸		15	1	0.8794727	10	L	0.8367836	0.9914149	0.9953012
KB-a	0.8091002		1.	_	_	┺	1,1515332	1.4604083	1.9018307	1.5824646	1.6279248	0.915002
60S ribosomal protein L6 (atternate done 1)	₽		-	-	ــــــــــــــــــــــــــــــــــــــ	_	1.0141122	0.7890627	0.8916913	0.86709887	0.9519953	0.8320139
1	1 34574	1 345743 D RESESSEA	1 117432	0.956182	1.4076198	_	1.3852527	Ш	11	ш	\perp	1.1042604
Beta-upulin, class i	0 8078203	4 3479131		3 0.9033721	۱-	1.0345547	,		1.9177527	1.0098183	1.0122582	1.1600227
Muttang resisar proteur-2	1 V.WI V.	1	-									

Phase-1 RCT-49	0.9144408	0.9921536	1 0273243	1 0607730	4 4442020	100000	4 00000	2000				
	1.1572421	1.0405387	1.0764239	1,0014594	-	0.89192986	1 15618851	1 1128968	1.084/362	0.9250/58	4 2014 220	0.88589704
NADP-dependent isocitrate dehydrogenase,	0.9481888	0.90999603	0.90336144	-		0.7661045		0.66310066	0.71696216		0 90267307	1.0840886
Gytosolic Odamer bloding sentels 1	00070700						_				100107000	0.0132100
Sodiumbile soid estrates	0.817.24356	0.92038655	0.8733505	12070948	1.0614291	1.6820359	0.9494123	1.1772046	0.9329273	1.023454	1.0077437	1.1512667
Phase-1 RCT-174	0.0770003	0.8037157	0.5836247	0.772383	0.73822814	0.67170465	0.6441643	0.6426185	0.7971108	0.6944278	1.0847414	0.6077975
Phase-1 RCT-77	0.8380643	0.9398/25	3.07.567.02	1.1908269		1.1467818		Ŧ	0.9838087	0.9267172	0.9888674	0.7244774
Inositol polyotosobate multikinase (fembla	0.837.0413	0.92044240	92044240 0.9278/US	0.6254482		0.69963133	-	0.68412596	_		0.93326104	0,74669534
Phase-1 RCT-256	0.8256394	0.758730		0.07354207	-	0.96706104	0.9749348	0.6272578	_	-	0.87469494	0.6019432
Equilbrative nitrobenzylthiomosine-sensitive	0.87766653	0 8878054	O Zeenzaes	0.92102/4	0.7155000	1.00/6169	_	1.0199891	0.9926932	1.0094044	1.1078622	1.0561546
				0.0001	0.7133080		0.80524725	0.62457525	0.6647123	0.87858525	1.0180075	0.9749414
CDK102	0.9417614	0.91265893	0.9670925	0.96948826	0.99694115	0.89681878	1 1245929	0.91689503	1 0304015	0 0404874	A 0.075234A	0.0570404
Phase-1 RCT-209	1.0279475	1,0639291	1			1.0506748		O SRAFFRE	722027	0.3431014	1 0387601	0.03/9424
NADH-cytochrome b5 reductase	1.1483486	1.0599592	1.040206	_	0,78812057	0.9237816	-	0 63205858	0.6052008	0.7070030	000000	4 4400540
Dynamin-1 (D100)	0.7341691	0.81723255	0.8457148		1.0328438		┸	0.0478024	1 0657/70	4	0.8340320	1.1403313
Senescence marker protein-30	0.6908734	0.761073	0.83395416	0.7876478	-	_	_	0 70924735	0 7384215	_	0.992/030/	0.98884045
- [0.87097067	0.92505884	0.9641894	0.887008				0.9204272	1 0734688		0.0325000	0.132002 0.132002
Camitine palmitoyl-CoA transferase	1.558981	1.465659	1,3855755	1.2183629	0.97316194	0.86989874	1.0125918	1.1495744	1.022337	_	1 1045624	1315445
Appra-2-microgropulin	0.9287466	0.9014	0.71943134	1.007066	0.55673	0.7251498		0.74194646	1.1331223	0.8710275	1 0005552	0 5680007
Apolipoprotein Cili	0.8926475	0.875975	0.93075264	1.0087755	0.6908777	0.8739698		-	0.96129006	0.919155	0 9429518	1 0053529
Camepsin L, sequence 2	0.6737198	1.0427825	0.70134217	0.7277387	0.92515635		_	_	0,8365451	0.8534969	0.8992265	0.80499
Pirase-1 RCI-141	1.1970402	0.92936065	0.8408571	0.61186576	0.6040094	0.57757884	0.75378385	0.6976599	0.6989294	+-	0.88824165	1 0030489
Friday I KUI-289	1.1160775	1.0622267	1.1212038	1.2305356	-	1.2466974		0.93493015	←		0.90417534	0.7493736
Choourain-1	1.1317997	1.1354519	1.148341	1.4562573	1.2271682	1.4340677	1.1194217	1.5516266	-		0.9297689	1 165477R
PRESE-1 RC1-282	0.97043765	0.95380574	1.0218076	1.1782687	2		0.8935439	1.3558435	1.0104868	1.0577534	1 1784245	1.1429415
Friase-1 RCI -140	1.1096829	1.0658178		1.0745317	0.9607772	_	1.0255075	1.0664363	0.9985188	1.0813783	1 1357664	1 0175763
Cydin D1	0.6332938	0.81300678	_	0.72110957	0.6826604	0.77135247	_	0.8353855	1.3822327	0.5053428	0.6734522	0 62602528
Office 1 Oct 301	0.973105	0.9785731	6	_	0.83820635	0.7888103	0.8862419	0.72188956	0.88993436	0.89464605	0.9062662	0.9680821
Refined Median powerin (DDD)	0.8378438	0.9524888	-+	0.80257404	0.885737		1.0895633	1.0939894	1.0182517	0.9939082	0.88192254	0.85300785
ATP-etimitated of proportional monoples	0.7827489	0.9016016	-	0.7826275	0.6054723		0.74854535	0.6588803	0.7524755	0.79924417	0.89540595	0.6831166
5	0.100002	0.8/8/8855	0.66866885	0.59932554	0.9177568	0.763943	0.8680634	0.9545556	0.9719116	0.7338952	0.9426339	0.78066325
Phase-1 RCT-60	1,1408002	1 0694015	1 181528	1 0377604	4 0205460	000000	200000	-				
Pyruvate Idnase, muscle	0 75984114		0 84448407	4 7303660	1,0203400	1.0004/00	0.83 1890.0	0.9588418 0.96880823	0.96880823	1.041147	0.9957097	0.8507646
PAR Interacting protein	1.0212445		1 068352	1,0305000	0770070	7500000	1.1009873	1.2623621		_	1.1347631	1.2077923
Nucleoside diphosphate kinase beta isoform	1.1012578	0.96142485	1 2050774	0 7870224	0 8838704	0.8/20481 1.1/00/US				-	0.9999228	0.8972472
						0.70000	_	0.78922333	0.86385155	1.0197171	1.2236636	0.88940886
	1.0656637	1.0819016	1.1014409		1.1418839	1 2355686	1.1323394	1.3915831	1 2783103	122221	1 0213RER	1 2682410
Insulin-like growth factor binding protein 1	0.8385347	1.01372	0.7705984	0.75392866 (0.85816467	0.7616749		-	0.98285808	1 1296431	11723659	1 178557
Ort-as	1.2052535	1.0465447		0.9831354		0.97972584	1.3339578		1 24 20834	_	0 9608247	1 1723510
sufformsferase (ST1C1)	0.74152835	0.75263107	0.6513983	0.78007685	0.59532344	0.70286286			0.59261674	Ľ.	0.93681484	0.8355691
Phase-1 RCT-52	1 11R2GR	1 053268	4 4080484	7000100	0200000		_		_			
Alpha 1 - Inhibitor III	0 6311194					-	_1.	_	-		0.96269655	0.9482798
Sterol carrier protein 2	0.838796			0 7268502	0 748314	0.654000	0.007.3000	0.0084034	-	4	0.69292647	0.6857092
Organic anion transporter 3	0.74572676	0.9852118	١.	1	0.9527009	1 3286465	0 74043843	┸	4 4 779090	1 2455524	0.8354413	0.8584288
Calgranulin B4	1.1671687	0.96386194	1.1359466 (ᄄ	0.86723844	1_		ľ		_	4 2474579	1.1333032
Phase-1 RCT-182	0,8725214		-	1_	+	0.69780254			0.98203805	-	0 7314657R	0 774607
	0.73589835		П	1.0402368	-		_	_	0.8100201		0 84124697	0 77440746
Obsert Dorr 420		1.1346823	4	-+		0.914008	1.080652	0.9089831 0	Ц.	_	0.9467101	0.84878623
Phase 1 PCT-103	0.64305305	0.7403402	-	_	ᇄ	0.6534293 0	454	_	1.0062159	ш	0.9381317	0.8103129
Prematumin sections 2	0.8003000	0.75500995		-	-			Ц	1.0775381	0.67626554	0.762919	0.52592146
Apolipopratein All		1 400489	1 240046	0.80359167 0	4	_	-	_	4	_	0.71387528	0.7134924
Phase-1 RCT-10	0.8729773	_	_	4-	0.8450607	1.0148083	4	_	4	_	1.1967999	0.9195287
Phase-1 RCT-48	1.0922433		1_	+_	_	4-	1 4805482	0.6/085	200	4	1.0062602	0.9002192
Phase-1 RCT-8	0.7489273	0.7697985	0.61646885	Ļ		-	O BERATEA	15		丄	1.10520/4	1.U345047
				1		4	120.11.000	.02000250	- 1	U.73/23/8	0.823/222	0.71530443

Denne 4 DOT 400	00000000	4 05005001	4 9460000	0.0700404	POORCANO	4 0057479 0 88676746	0 00572745	0.0958497	0 722440E	3700000	0.0055437	A 770778A
Phase-1 RCT-88	0.8410778	0.89997835	0.7897615	4	0.8164393	1.0688851		0.77139246 0.95196708	0.95196706	0.6626439	0.8254275	0.8373817
Beta-alarine synthase	1.1550228	0.78985466	0.7295685	1.0231899	1.3381084	0.97869796	1.6919533	1.0200303	_	0.50180906	1.0281662	0.8386612
Phase-1 RCT-296	0.8661627	0.7406203	0.8728151	0.646161	0.8784101	0.8266384	0.63034385	0.51189524	-	0.719744	0.9032642	0.7253511
Carbonic anhydrase III	0.8394085	0.8661759	0.73521274		_	0.41776767	0.6849998	0.59371734		0.9307031	1.0554777	0.59850454
Phase-1 RCT-291	0.79555684	_	0.68711513		0.99999994		0.90080816	_		1.0751426	1.034983	1.0876949
Carbonic anhydrase III, sequence 2	0.819174	0.74442303	0.6056919		0.6377293 0.75028534	0.75028534	0,73197657	-	-	0.53278214	0.8351639	0.6939013
Phase-1 RCT-271	1.0047202	0.8360211	1.155231 0.96941006		0.72955775	1.1351821 0.84782304	0.84782904	0.7869024	0.8014067	0.8345232	1.0360/38	0.89810//
HMG-CoA synthese, mitochondrial	1.2631849	1.2967528	1.1695539	0.6571258	1.1286097 0.65804446	0.65804446	1.1098721	0.8936873	1.1443336	1.3146018	1.4283839	1.3280648
Phase-1 RCT-189	0.957172	0.98133326	1.0627927				1.1807938		1.186117	0.9110143	0.8260672	0.7520856
Phase-1 RCT-40	0.8138789		0.7812315	_			0.78431313	0.6568417	0.75943285	0.8548482	0.884/62/	U. /283358
Urinary protein 2 precursor	0.80248195					ct.	0.866653324			-	0.0341613	0.30042203
Parackonase 8	0.6920878	-		-		0.72300977	0.7727778	_		0.30330204	0.76217190	0.00333334
Liver fatty acid binding protein	0.8225945	0.755037	0.8761363	9508090	1.1298388	0.8484246	0.8121429	0.6856508	0.63336/5	0.748/8414 0.853555366	0.85355360	0.63347330
rresentin-1	0.0703010	0.337.37.800		0.00000240	4.0004/07	_	4 4226607	0.0000700		ᅶ	4 4024433	4 0345144
Prese-1 RCI -35	0.6092122	0.7337104	0.00000000	0.3046202				#600000.			0 87404864	0 85067707
Frase-1 KC1-2/U	0.0942322	0.7070341	0.0000000			0.0004224	0.972790	0.04330923		- 1	7000070	0.67480645
Hansayteun Handa Hana	0.0001000	0.30402407			+	0.044740957	-		0.61240775	4-	0 82671446	0.0853741
Crackman DAEO 44A4	0.9423939	0.0000000	0800000	1 1280803	-	1 506548			1 0225785		1 0848177	0 7975737
Dhana 4 DCT 476	0.0330000	0.00000000	0.0032000	0 8582288 0 82817828	AC871 1820	0 824 1070	-	-	_	1	1 0198999	0 75375384
Disso 4 DOT 447	4 4647300	0.37 13003	0 70524405	4 16800AB	4 2786508	4 434663			-	1	0 084865	0.907024
Disco d Der 497	0 0303445	0.0724076	-	0 80377877	0 7608004	-	0 01200706		0 0301/38	+-	0 7273785	0 6056705
Melanoma accordand anthon ME401	1 0375177	4 1974773		0.92368	0 871277R	+	1 0675931	0 9791291	0.9815104	1.	0 96078727	0.8656814
	1 0551718	1 036269	1 1493162	1,0201974	1.3652276	1 0644789	1.1844039	1.1514084	1.256103	۰	1.1572877	0.89454657
Phase-1 RCT-152	0 9330756	0 7658373	0.8526723	14	0 71532017	0.8203859	0.9404895	0.8495509	0.9490785	0.7835439	0.8992117	0.7232087
14-3-3 zeta	1.2469954	1.3013403	1.2184939	0.89583373	0.9736256	0.9816141	1.0852953	1.1281042	1.1210417	1,3165957	1.2755212	1.0667768
Cytochrome P450 2C23	0.6786962	0.9534382	0.64099205	0.7774913	0.83079904	1=	0.96841174	0.50156045	0.7325902	0.7203462	0.81640537	0.6881204
Voltage-dependent anion charmel 2 (Vdac2)	0.9571786	0.8119676	1.0094142	0.8923158	0.9450644	0.9203633	1.1216207	1.0286902	1,0815953	1.1734005	1.2867525	1.0849984
Phase-1 RCT-154	1.1245887	0.9558731		1.0176849		0.99687624	2.580363	2.2507923	2,525899	0.9833191	1.0331408	0.97810316
Superoxide dismutase Mn	1.1324732	1.144354	-	0.88492316	-	0.98472508	1.0782919	1.0041932	1.0214748	1.1370399	1.1964532	1.02008
с-тус	1.2556394	0.9573229	0.87235314	1.5037686	1.3402379	1.3130077	1.1648532	1.3555838	1.1519816	1.269491	1.0737239	1.218/063
Phase-1 RCT-198	1.2329483	1.1883028	1.0703132	1.1369027	0.9723638	0.9510934	1.1595564	1.0462103	1.0652115	-	0.92854853	0.855852
Cyclin G	1.2350241	1.2108237	1.3522166	1.4034588	1,0933255	1.55363	2.3834968	1.87699	3,727,1981	1,665,6889	1.0566213	1,088879
Calgranulin B5	0.97845966	1.0351458	1.0558656	1.1635747	0.9827957	1.205188	1.0774025	1.1625398	1.1411173	1.1560182	1.1566479	1.1/04375
p53	1.052024	1.0942703	1.0409782	1.0380415	0.9094677	0.9746472	1.1217331	1.2351357	1.1178073	0.9108433	0.8760809	1.02/1506
Phase-1 RCT-205	1.0558898	1.1280379	1.2269703	1.1254572	1,3340502	1.1391122	1.0193665	0.97274846	1.1119434	0.8788992	0.9332462	0.9377763
Phase-1 RCT-68	1.082211	1,0222168	1.0484298	1.0217175	0.99392647	1.0393579	1.0164386	0.99980545	0.9702962	1.2556094	1.3145684	1.18446/8
Caspase 3	1.0344441	1.0907816	0.90061796	1.254826	1.1462318	1.6913805	1.0513469	1.614/318	1.2510104	-	1.381917	1.3303606
Alpha-tubulin	1.2883369	0.9853587	1.3188455	1.052247	1.00811/4	1.0321853	7,005692	1.1233/98	1.U1/10U8	_	0.8/362014	7.12332
Ribosomal protein L13A	0.9291038	0.8786943	0.9376202	0.7629735	0.8454066	0.73744124	1.0712136	0.9976696	0.9033369	1.3120813	1.2298342	1.1284492
IgE binding protein	0.91219157	0.8083094	0.83788115	1.0531306	1,224349	-+	1.0154625	1.0802361	1.0328445	1.0943258	1.096537	1.0439243
Phase-1 RCT-39	0.9256676	0.973714	0.9036931	0.98088855	1.0840786	-+	0.99811697			11706781	1.0454218	0.85068365
Cofilin	1.0454941	0.96250916	1.0086012	0.8766813	0.8280/17	0.9322122	0.979426	_	_	0.85277258	0.830636	0.91321387
нетв охудетаѕе	0,83589554	0.610/4823	0.768/236	1.0372041	1.043//11	1.444/311	1.01/048/		0.8185898	1.1482412	7,000000	4.459.22
Phase-1 RCI-241	1.2400453	1.2443434	1.22294/8	1.1/40458	1,08465/8	0.9436349		2213817.1	0.90036324	1.0043039	0.9200007	1,133423
Kibosoma protein Se	0.96/96256	0.7876055	1.0/63914	0.7437902	0.092443	0.695443 0.75590146		0.65/108/03 0.772/3143	0.172737	1.0755707	0.8323018	1021280
Phase-1 RCT-258	1.0452662	1.0501314	0.9829971	1.0878148	0.9378324	0.8536871	1.1425503	0.9913303	1.0752094	1.0369308	4 495457	1.0010142
Aginnosuccinate lyase	1.1023302	1.2020094	1.0/31505	0.6724664		0.7843550	1.1032863	1 0138294	0.8948993	1 0824504	1.087474	1.0474179
Multidana meistant motelo-1	0.8336811	1 4127753		0.88922524		0.8607436	1 062138	1 550949	2 2784832	1.3464178	1 2392595	1.3891298
Omithing downhowdoop	1 6540701	1 2070552		1 315074	1 MR0186	1 000697	1 1511778	1 426834	1 3840773	1 9487185	1 8499516	4 7758799
Thurwein heta-10	7 9876697	0.86301243	0 9579362	0.8283573		0.83996403	1 0478573	1 0547793 0 90799844	90799844	1.0283252	1 0723436	1.0575863
Phase-1 RCT-72	0.9479011	0.99276537	1.0133151	1.202419		1.5916219	1.0047745	1,3980849	1.0493258	1.1065431	1.1870025	1.0982953
Phase-1 RCT-109	0.9298786	0.9429688	1.0163127	0.7688204	0.93337446	0.7531865	1.0160506	0.93743914	0.9456841	1.1642103	1.2189075	1.030518
Phase-1 RCT-76	0.9742061	0.98414826	1.129754	0.7734622	0.9072126	0.83539414	1.0273544	1.0624478	0.99223876	1.1784301	0.978372	0.95533854
Vacuole membrane protein 1	0.8555269	0.87921166	0.93290854	0.909522	0.7116318	0.7116318 0.80018735	0.81276804	0.7311044 0.85864586	0.85864586	0.7116075 0.76502205	0.765022051	0.5802396

Phase-(RCT-158	1 1376593	1 1409688	1 0378422	1 2717211	1 0704782	1 193718	1 0613844	1 2350298	1 2146458	1 120102	1 0617951	1 2428529
Phase-1 RCT-113	1.2044135	1 1	1.08335		0.87537503	0.822413	0.9948914	0.822413 0.9948914 1.1273192 1.1129211 1.1198597 0.90921336	1,1129211	1.1198587	0.90921336	1.1315854
Endogenous retroviral sequence, 5' and 3' LTR	0.90260875	1.1204435	0.9442034	0.9442034 0.92982394 0.97217214	0.97217214	0.8393259	0.8393259 0.89506456	0.9160741	1.2891484	1.5841322	1.2960659	0.95238554
Beta-actin	1.1125833	1.0069311	1.080633	1.080633 0.64210916	0.7735134	1.0292419	1.0695546 0.96721196	0.96721196	0.919635	3.0672295	2.4768662	2,7791693
Phase-1 RCT-65	1.1814723	1.3648194	1.0991114 1.1430959		1.4789107	1.6424018	1,2501326	1.378758	1,3046662	1.5337906	1,5226179	1.3918132
MHC class I antigen RT1.A1(f) alptra-chain	1,8905007	1.8041407	1.5425627	1.4040811	1.8820763	1.344825	1.619809	1,5000522	1.6659971	1.4504156	1,4430915	1.2989323
Bax (alpha)	1.2416624	1.1744834	1.2701218	1.2928851	1.418582	0.908128	1.8201531	1.6742516	2.4587035	1.295488	1.1407483	1.307053
Carbonyl reductase	1.1883683	1.2043815	1,2608972	1.4120785	1.0944185	1.1135831	1.0254887	1,421894	1.1156356	1.120373	0.97379875	1.2524985
Beta-actin, sequence 2	1.0014653	1.0014653 0.97430295	0.9769427 0.87458444	0.87458444	0.926052	1.1551962	1.2245715	1.1224312	1,086517	1.1413021	1.0439515	0.9896563
Interleukin-10	1,1216725	1 254464	1.3264883 1.1384859	1.1384859	1.1012089	1.0793698	1.1377833	1.4719772	1.2667551	1.1464108	0.9862316	1.1564549
Phase-1 RCT-191	1.589339	1.589339 1.4355308 1.5240867 1.0897073	1,5240867	1.0897073	1.4454972	1.4454972 0.9717998	1.1388346	0.9875454	1,1399181 1,2239399	1.2239399	1.1713823	1.0227512
Phase-1 RCT-111	0.7822171	0.7822171 0.95418006	1.0452079 0.77953297	0.77853297	0.9978218	0.9976218 0.83093584	1.0569357	1.0135723	1.0650833	1.1545427	0.8922822	0.9888597
Apoptosis-regulating basic protein	0.7759487	0.780832	0.780832 0.81873506	0.7204664	0.6217704	0.6724481	0.777307	0.6480623	0.6480623 0.73910743 0.77485347	0.77485347	0.9720474	0.55588776
Glutathione peroxidase	0.6769063	0.6769063 0.65703404	0.785112	0.9431503	1.16382	0.7008514	1,1611571	0.86370873	1.1223497	0.6740364	0.81503534	0.6126363
Phase-1 RCT-239	1.1428587	1.1938224	1.1353062	1.0183517	1.4855719	1.4244561	1,1483557	1.1877072	1.2254268	1.2677562	1.342256	1,3076787
Phase-1 RCT-67	1.0193092	1.1001234	1.0934472	1.168928	1,3054965	1.1444077	1.0319359	1,0215569		1.0352181	1.0410132	1.0275089
Tryptophan hydroxylase	0.9329787	0.9329787 0.79403496	0.8709495	1.0702993	1.054945	1.1008468	0.9113026	0.9113026 0.9118482 0.82741314	0.82741314	1.067523	0.9589205	1.0665134
Sulfotransferase K2	0.873993	0.873993 1.0470493	0.5689403	0.5689403 0.86200535 0.79965055	0.79965055	0.6406289	0.6406289 1.0241911 0.65814805	0.65814805	0.550812	0.550812 0.9945949 0.99977684	0.99977684	1.1242639
Calgranulin 89	0.8102092	0.8102092 0.99909157	0.9462306	1.0795139	1.0785139 0.97471005		0.92071325	1.0081893 0.92071925 0.8544689	0.8532857 0.98002946	0.98002946	0.8722868	0.8165182
Phase-1 RCT-123	1.0235242	0.9633438	0.9743514	1.0897603	1.004225	1.1684424	1.1684424 0.9645892 0.91046906	0.91046906	1.0329788	1.0329788 1.0294486	1.0414743	1.094004
Phase-1 RCT-98	0.99894196	1.0233536	1.0636278	1.0454515	1.1628534	1,2445819	0.9961634	0.9124932	0.9529502 0.94149595		0.91012484	0.94614905
Aquaporin-3 (AQP3)	0.99344945	0.9592587 0.96432096	0.96432096	1.0991408	1.0933518	1.2539715	0.98649454	0.9794697	1.0505954	1.0339056	1.0655377	1.0737449
Stearyl-CoA desaturase, liver	0.8583053	0.8583053 0.16332972	2,223468	0.5809913	0.727225	1.687965	1.1572907	0.8880083	0.8858439		0.61713976	0.5143562
Phase-1 RCT-64	1.1572549	1.1005623	1.5705352	0.9767823	1.1150166	1,1452895	0.74567028	1.1452895 0.74567028 0.82643104 0.58391833	0.58391833	1.2032949	1.1845014	1,2557415
						-						
(1) Gene expression data for 24 hour												
transport are presented as mean ratio of treatment/control for all 24 hour condictine												
genes (Table 5).												
(2) Compound and dose abbreviations as in Table 1.												
(3) Individual animal mumber												
(4) Uver Infammation classification for												
compound-dose group at 72 hr yes-near,												
inflammation observed; no, no histopathology					•							
(5) Predictive gene (as in Table 5 and as included in Table 26)												

Timepoint (1) Compound-Dose (2) Animal Number (3) Liver Toxidity Inflammation Classification (4) Gene Name (5) Gene Name (5) Gene Name (5) Gene Name (5) Gene Name (5) Gene Name (5) Gene Name (5) Gene Name (1) Gene Name (1) Gene Name (1) Gene Name (1) Gene Name (1) Gene Name (1) Finase-I RCT-18 Finase-I RCT-207 Heapartiete aminotransferase, mitochondral Geselvalipha Malle energyme Phase-I RCT-207 Finase-I RCT-207 Finase-I RCT-30 Finase-I RCT-30 Finase-I RCT-30 Finase-I RCT-30 Finase-I RCT-30 Finase-I RCT-30 Finase-I RCT-30 Finase-I RCT-30 Finase-I RCT-30 Finase-I RCT-30 Finase-I RCT-1	APAP 1000 2134 yes-necr 1,2001864 0,2220602 0,7807004 1,105720602 1,105960468 0,80511687 1,10600502 1,10038657 1,100386	APAP 1000 2135 2135 2135 2135 1.518586 1.5185381 1.5185381 1.5185381 1.5185381 1.5185381 1.243781 1.2437812 2.123481	APAP 1000 APAP 1000 2139 APAP 1000 2139 APAP 1000 21350713 APAP 1000 APAP	AMPB 5 AMPB 5 AMPB 6 444 10.058992775 0.058992775 0.05899284 1.1289896 1.1289896 1.1289896 1.1289896 1.12891089 1.12891089 0.9849153 0.9849153 0.9849153 0.9849153 1.128594 1.128594 1.128594 1.128594 1.128594 1.128594 1.128594 1.128594 1.128594 1.128591089	AMPB 5 10,50802746 10,50802746 10,0002817 10,040281 10,040281 10,040281 10,040281 10,040281 10,040281 10,040281 10,040281 10,060486 10,060486 10,060486 10,060486 10,060486 10,060486 10,060486 10,060486 10,060486 10,060486 10,0606486 10	AA/PB 6 AA/PB 6 AA/PB 6 AB/PB 6 0.56212507 0.56212507 1.1629019 1.1629019 1.1629019 1.1629019 1.022278 1.022278 1.022389 1.022389 1.022389 1.022389 1.0213289 1.0213289 1.0213289 1.0213289 1.0213289 1.044868 1.0740062 1.0740062 1.0740062 1.0740062 1.074062	0.7878820 0.7878230 0.7878231 0.98360144 0.9838073 0.9838073 0.98628363 0.086891559 0.086891559 0.086891559 0.086891559 0.086891559 0.086891559 0.086891559 0.086891559 0.086891559 0.086891559 0.086891559 0.086891559 0.086891559 0.086891559 0.08689159 0.08689 0.08689159 0.08689159 0.08689159 0.08689159 0.08689159 0.08689159 0.08689159 0.08689159 0.08689159 0.08689 0.08689 0.08689 0.08689 0.08689 0.08689 0.08689 0.08689 0.08689 0.08689 0.08689 0.086	AMPB 20 0.70939136 0.94541469 0.094541469 0.094541469 0.091264768 1.07361981 0.08126308 0.0812	0.775432 0.2915661 0.2915661 0.2915661 0.2915661 1.0080756 0.95204904 1.0086909 0.98204904 1.00886178		AZA 50 1024 1825 10.075789446 10.075789446 10.0805199874 10.0805345 10.080545 10.0805345 10.0805345 10.0805345 10.0805345 10.0805345 10.0805345 10.0805345 10.0805345 10.0805345 10.0805345 10.0805345 10.0805345 10.0805345 10.0805345 10.0805345 10.0805345 10.0805345 10.0805345 10.0805345 10.080545 10.080545 10.080545 10.080545 10.080545 10.080545 10.080545 10.080545 10.080545 10.080545 10.080545	0.8713903 0.8713903 0.8713903 0.8725104 0.804523 0.804523 0.804523 0.804523 0.804523 0.804523 0.804523 0.804523 0.804523 0.804523 0.804523 0.804523 0.804523 0.804523 0.804324 0.8044 0.80442 0.80442 0.80442 0.80442 0.80442 0.80442 0.80442 0.80444 0.80442 0.80442 0.80442 0.80442 0.80442 0.80442 0.80442 0.80442
European Record appa European Record appa	1,174893 0,6888024 0,8253817 0,8264514 0,8221125 0,9222125 0,9222125 0,9222125 0,9223425 0,9223425 0,9223425 0,9223425 0,9223425 0,9233425 0,9233425 0,9233425 0,9233425 0,9233425 0,9233425 0,9233425	0.42159694 0.42159694 0.7216983 0.72436804 0.8311461 0.81107595 0.4368403 1.3764162 1.3764162 1.7773083 1.1773083	1.7456474 0.19694409 0.48673195 0.38481443 0.7084122 0.7084122 0.3256316 0.32250316 2.42293 1.750843 0.42293 1.750843 0.70843	1,0106614 0,82013315 1,0881449 1,0881449 0,7376606 0,7011897 0,97897603 1,7041893 1,7064803 1,7064803 1,7064803 0,70876 0,70876							0.85900368 0.695866 0.72853005 0.9711213 1.1613562 0.8927104 1.3074466 0.0988602 1.0988602 1.0988602 0.0988602 0.0988602 0.0988602	0.8573457 1.0824622 0.4201693 0.72274 0.85284424 0.85284424 0.85284856 0.8333413 0.82818856 0.807859 0.807859 0.807859
Phase-I RCT-225 60S fuborontal protein LB (alternate clone 1) Beta-ubulin, dass I Muldrug resistant protein-2		1.9782478 1.9782478 1.4552431 0.97505075			1.0242037 0.9381214 0. 1.0718535 (1.1818305 1.1818305	0.967266 0.94754964 0.8910129 1.0664338 1.0052876	1.0511838 0.8552404 (1.2770609 1.3792162 0.9425771	0.65229034 0.65229034 0.9694046 0.9915622 1.0912297	1.0205237 1.1290088 1.0013335 1.0126032 1.0126032	1,0205237 1,2906218 1,1539489 1,1200088 1,5169156 1,6920087 1,0013335 1,4659207 1,5217139 1,0102032 0,89737064 0,92484657 1,006105 0,7789372 1,0969105		1.2689281 0.6091376 1.9163811 0.8424161

Phoso (DATA)	1270042100	4 004228	166884	O ZESOEREA	a sococo o	1 2440224	agooog o	0 0040450	200000	4 0484458	4 04844581 0 00955814	00727000
Calorandin 83	1.3186662	1.6070114		-	1.0209827	1.0820234	0 9968559	1.0356328	1.1032516	0.8922274	1.1935297	1.0588398
NADP-dependent isocitrate dehydrogenase,	0.8227579	0.8062169		1.1111901	0.9368493	0.8681596	1.1805204	1.1330749	1.0857997	0.832288	0.95470864	0.8089195
Ortsmer Modine sentate 4	1 0170508	0.0020274	0 735401	4 4R08677	4 0778079	0 98051815	1 0221442	1 010570	1 0338701	1 0450343	0.0856217	4 1808434
SodimAnia acid cotransporter	0.7684667	0.590177	0.88578853	1 1732075		0 91316587	1 0396426	1 0869092	0.84497523	0 7477124	0.9879448	1 0380545
Phase-1 RCT-174	0.78111845	0.7581213	0,5533995	0.940281	-	0.87478447	0.8479776		0.91290178	1.1039112	0.9184716	0.97088057
Phase-1 RCT-77	0.7503459	0.7911517	-	0.98057824		0.78344613	0,8968643	0.931947	0.8706846	0.6884699	1.1470679	1.0001813
Inosito) polyphosphate multikinase (Ipmk)4	0.49733773	0.48389348	-	1.2718464		0.8343306	1.0359182	0.9829549	0.7664022	0.95764834	0.9407848	0.9120599
Phase-1 RCT-256	0.7770574	0,61844707	0.30347252		0.9810751	0.8939296	1.1084479	0.97589785	0,89893657	0.9687098	1.0142882	0.8772666
Equilbrative nitrobenzylthiotnosine-sensitive	0.8654703	0.39845544	0.2583559	0.9590571	0.98968345	0.713909	1.1697053	0.8976289	0.98304844	0.78183514	0.9292593	1.1171777
CDK102	0.9067937	0.86421376	0.7252871	1 1537626	0.9561138	0.9013158	1 0825249	0.9577643	0.9739338	0.83690417	1.0488386	0.8947433
Phase-1 RCT-209	0.85024416	0.752979	0.5971276	1 1338282	1.0583161	1.092144	0.9323238	1,1122012	1.0123931	1.0397422	1.069655	0.98614645
NADH-cytochrome b5 reductase	0.76218596	0.63331974	0.58289486	0.8211148	0.8155622	0.74564576	0.7848798	0.7848798 0.94192016	0.93455297	1,1223649	1.426883	0.84289235
Dynamin-1 (D100)	0.8585791	0.78091645	0.42062837	1.169634	1.1217867	1.0587527	1.0252057	0.8899	0.9371175	1.021319	1.1168324	0,8928621
Senescence marker protein-30	0.40994465	0.2444617	0.09829133	1.3176931	0.9055896	0.83561	1.0821384	0.9235263		0.22456759	-	0.31163177
Phase-1 RCT-89	0.8349818	0.676441	0.33456933	1.1420949	1	0.93144006	1.177015	1.0667709	1.0850333	0.8057168	1.169088	1.0576782
Camitine palmitoyl-CoA transferase	0.89609426	1.4230582		1.0029391	1.2236779	1.1327269	0.9759621	0.9801424	1.031357	1.2626309	1.1620997	1,4358013
April-2-mangionain	0.7.205089	0.0284309	0.20311472	1 0302560	1 2722049	1 0057452	0.0103309	0.0454562 0.24133900	0.544/3/	0.544737 0.12882154 0.8632487 0.6120005	0.25136383	0.51784796
Cathensin L. segrence 2	1 074807	1 338568	4.1737027	1 3029445	1 0383123	0 9416942	-	1 1602902	1 1673083	1 1145176	-	1 7933372
Phase-1 RCT-141	12352824	1.9157325	2.0936325	1.7906849	1,7655644	1.4077353		1.8848674	1.8932785	1.392757	1.7617538	2.1320772
Phase-1 RCT-289	0.777935	0.71446484	0.4531898	1.1787394	1.0655462	0.9373429		0.86128765	10	0.7427473	0,7427473 0.93818635	0.7081744
Endothelin-1	1.0579122	0.9178735	1.0897173	0.9496148	1.0423923	1.2456393	0.9424412	0.9424412 0.98252434	0.976081	0.8963958	_	0.84649503
Phase-1 RCT-282	1.0629691	0.99475473	1.1614578	0.8068867	_	0.9752257		-	0.97847943	1.2295017		1.0986071
Phase-1 RCT-140	1.0855484	1.0929316	1.1578865	-	_	0.97489405		0.90616024	1.0556277	1.104457		0.85296434
Cyclin D1	0.54828155	0.5665936	0.9603462	0.9322792	0.8873454	0.9002315	0.7832171	0.6818784	0.6851954	0.9132339	0.8580035	0.91540164
Phase-1 RCT-287	0.92639965	0.9105778	0.6250086	1.1243967	1.0200213	0.9766678	1.1681346	1.0110783	1,0009038	0.918077	1,033385	1.0931904
Phase-1 RCI-281	0.87205887	0.714556	0.78147686	1.14422	_	0.9376503	0.85632633	1.0928764	1.1466545	0.6431336	0.75/55/15	0.5636483
Retinol-binding protein (RBP)	0.95011175	1.1611986	0.74048674	1.0332462		0.84526354	0.9539542	1.00428	0.9788228	0.9303708	1.3381288	1.0885001
ATP-stimulated glucocorticold-receptor translocation purmoter (Gwt)	0.7426958	0.8263415	0.5014418	1.1547348	0.9011321	0.91959256	1.1436354	1.0740182	0.99613816	0.6014372	0.88725024	0.72278017
Phase-1 RCT-60	1.056609	1.5934355	2.4880745	0.7949322	0.9441071	1.1333096	1.0417559	0.9263801	1.009548	1.1459387	1.0200537	1,5423852
Pyruvate kinase, muscle	1.0151799	0.9959	1.8328559	1.0268922	0.93204457	0.9989268	1.0069858	1.0461496	1.0201097	1.3594375	1.0729209	1.2579149
PAR interacting protein	1.1032678	1.4794549	2.2465057	0.8656605	0.95852166	1.0811801		0.98249346	0.9503574	1.1913778	1.0059475	1,116744
Nucleoside diphosphate kinase beta isoform	1.1852125	1.6279102	1.5158077	1.1502217	1.3752702	1.1748644	1,5727008	1.4162894	1.4557424	1.0615329	1.3283691	1,4231829
Codd153	1 1502702	4 2340784	2 2302	1 0042502	4 087445R	4 4202692	4 280952R	1 1440224	1 1584694	4 055810	O ODGOAFR	1 0802016
Insulin-like amouth factor hinding protein 1	1 5541166	1 8837394	3 7856872	1 2416332	1 193881	0.9382947	1 1707132	1 0164272	0 9087897	0.90603876	1 1553967	1 0494683
o-H-ras	1.11818	1.0687729	_	0.92860883	1-	0.92188394	1.1451765	1.0243174	1.0140023	1.2371001	1,1112157	1.2343993
N-hydroxy-2-acetylaminofluorene sufotransferase (ST1C1)	0.591341	0.2920545	0.17752759	0.9899004	1.0506474	0.8711633	1,3331585	0.9139637	0,8922501	0.5797132	0.9697285	1.162436
Phase-1 RCT-52	0.46384344	0.31413427	0.30732483	1.1004856	0.93298584	0.8987243	1.0487755	0.9959533	0,99980694	1,6029605	1.4712092	1.8830969
Apha 1 - inhibitor III	0.4712479	0.46959865	0.2941065			0.64268124	0.6523874	0.7239008	0.74384224	0.65271664	1.0028344	0.6043494
Sterol carrier protein 2	0.85045644	1.0124365	0.65608823		0.9774518	0.65227354	1,5759382	1.1994808	_	0.55555797	0.8608423	0.93229834
Organic anion transporter 3	0.7554135	0.58161473	0.54609853	1.1097461	0.96051663 0.94880766	0.94880766	0.8956594	0.90925777	0.8788957	0.50532836	0.78048545	0.751599
Calgranulin B4	0.71294475	0.72492254	0.43257424	0.96276873	1.0128975	1.0103006	1,1333699	1.1462982	1.0020114	0.829956	0.7476181	0.6585489
Phase-1 RCT-182	0,64892566	0.55294573		1.0325558	0.8200564	0.72651035	0.7444952	띪	1.0056177	0.9856907	1.1356047	1.2026912
Calgranuin 88	0.75011414	0.5714492	0.3641312	1.0356214	1.0144069	0.81692606		0.87372285	1.0839338	1.180438	1.3036721	1.2147646
Phase-1 RCT-128	0.91913490	0,9000533		1 2472311	4 4 4 5 8 0 6 8	0.0100034	1 0481011	0 83052033	0.83768606	O ROGORA	1 3919032	0.8506981
Phase-1 RCT-102	0.4853712	0.3991945	0.273727	0.273727 0.92260283	0.823916	1.0242358	0.76504078		0.93095475	0.5531166	0.5857912	0.3589506
Preproalbumin, sequence 2	0.6166477	0.6097242	0.4763403	1.0539279	1.1039207	0.8484081	1.0114079	0.86000896	0,83871025	0.5814712	0.8695809	0.52733845
Apolipoprotein Ali	0.578994	0,4050566	0.3114364	1.2452655	1.0405842	0.9107943	1.1371745	0.9063098 0.72063537	0.72063637	0.9821312	0.9595354	0.5149465
Phase-1 RCT-10	0.935245	0.85433865	0.5223651	1.1154157	0.9539829	0.9532691	0.91756386	1.0281371	1.1218228	0.70145226	1.1163368	0.65780586
Phase-1 RCT-48	1.1263044	0.67619914	0.5881342	1.3473283	1,2138255	1.2273251	1.0794547		1.0609623	0.9523583	1,2105967	0.8602574
Phase-1 RCT-8	0.6599021	0.6781999	0.53093314	1.0083852	1.13446491	0.8925677	1.037696	0.9010858	0.78963166	0.68281883	0.98879271	0.5950092

Phase-1 RCT-188	0.80544215	0 740085	0.47101133	0.87833086	0 0044490	4 00623000	1 044 4004	0001.100	0002000,			
Phase-1 RCT-88	0.5934322	0.68914455	-	0.98001355	. -	0.88347089	1 0040814	1 998420	0.09449047	1.0402027	0.76922035	0.87692916
Beta-alanine synthase	0.7792086	0.73912287	0.3320991	0.7581522		1 2035537	1 5805054	1 5077477	1 1430087	0.7644476	4 0464040	0.9403894
Phase-1 RCT-296	0.40874118	0.22145048	1=	0.95920914	+	0,67318124	0.55599266	1 1618317	0 7357143	0 9135502		0 74606174
Carbonic antrydrase III	0.3307657	0.12657292	0.04825316	1.0996143			-	0.91535836		0.47545522	+	0.7988897
Phase-1 RCT-291	0.8483654	0.60188836	0.3593634	0.8186351	0.8476734	0.80799955		0.86978155		1.015373	0.9752554	0.9942117
Carbonic arrhydrase III, sequence 2	0.5223809	0.6747151	0.28789172	0.9750317	1.0104692	0.6901254	1.0051873	1.4146233	1=	0.48209032	-	0.73099154
Phase-1 RCI-271	0.7860979	0.81188077	_	1.0113114	1.2025958	1		0.90503794	0.88008446	1,285325	1.6049888	0.7109682
HMG-CoA Synthase, mitochondrial	1.3483944	1.5729399	-+	0.68055576	0.8127598	-		0.87089354	0.6555378	1.3695582	1.4160204	0.9413592
Dhose 1 Det 40	0.7548308	0.6613784	0.33408114	1,1312664	1.1596029	1.0450487	1.3901923	1.0421152	1.2881461	0.6534645	0.8842895	0.6498718
Head Inc. and	0.7273161	0.612156	0.37656307	1.0289422	-	0.8713578	1.2471164	1.0392296		1.0016414	1.4191339	1.525431
Parameter 4 precursor	0.5233417	0.49066478	0.18570831		1.2955924	0.90868086	1.623139	1.1182885	1.0891768	0.43916816	I	0.58483756
I wer fath acid hinding pertein	0.52919513	0.4964778	0.38552403		0.97493446 0.71530086	0.71530086	0.5801933	0.8143748				0.68998414
Presenting and parent process	0.4243078	0.42682946	0.22899723	1.3605846	1.2572317		1.3544377	1.1863532				0.87174655
Phase-1 RCT-38	0.4342318	0.5170955	0.3503559	0.5898461	0.9529535	_	0.64318557	0.7319639		0.5975133	_	0.55303705
Phase-1 RCT-270	0 78573858	0 5636744	0.4204 101	1.2330351		0.9184319	1.15/2305	0.9668758		0.834435	0.8915342	0.8894174
Transthyretin	0.42702085	0.48375543	0.34003875	1 0544004	1 0605046	0.91010946	1.1034978		-	0.80016285	12150624	0.6599876
Hepatic lipase	0.523139	0.42762667		0.00055183 0.78075916	78075016	0.70352334	0.9309000	0.8304307	0.71007569 0.5367838 0.5685873	0.536/636	0.26996/2	0.58916/1
Cytochrome P450 11A1	0.78995856	0.62085235		0 92748725	0.9091367	0.8570240	1 010/064		0.7.2423037	0.45/22082	0.77918454	0.6205136
Phase-1 RCT-175	0.8121563	0.74664986		1.3509501	1.1245854	1.0882105	1 0092112	1 185170	4 1408700	4 0747622	4 9473040	1.115028
Phase-1 RCT-117	0.85188496	0.6941977	1	0.73834413	1.137953	1 260836	1 488873	1 4134079	4 0557536	0.0477243	4 0875833	0.00004206
Phase-1 RCT-137	0.71998844	0.8264345	_	1.3410574	1.5034796	0 9648276	1 5168723	1 1995208	1 2550832	0.8605105	_	0.33224303
Melanoma-associated antigen ME491	1.010508	1.1142567	-	0.85934645	0.972976	1.1832527	1,1748369	1 0672234	1 111746	1 0148723	1 0271978	0.074433
Phase-1 RCT-12	1.3183348	1.0848241	1.8844128	0.8727618	1.0715595	1.0972954	+	0.89154744	0.9915949	1.1153711	1 0728441	0 8380462
Phase-1 RCT-152	1.2017066	1,9963161	2.355323	1,2008587	1.0749402	0.8369955	-	1.1059141	1 0406197	1 2117712	1 1903574	2 1730435
14-3-3 zeta	1.27887	1.3397921	2,1931944	0.8864849	1.001191	1.0588349	0.991496	1,0395159	1 0589399	1 1267045	0 9881783	0 9280008
Cytochrome P450 2C23	0.5725573	0.44500446	0.30425882	1.1800978	0.90603226	0.77196723	0.7586682	0.9571795	0.9621519	0.578416	-	0.39511722
Voltage-dependent anion channel 2 (Vdac2)	1.4092424	1.5863334	1.9928924	1.1969392	1.1117816	1.0465214	1.3802288	1.1799	1.0115302	1.3204356	-	1.6548408
Dhaco. 1 DCT. 154	1001001	00000	2									
Senemide dismutace Mo	1.170006	1.3209428	C6CCZ 7	4	1.06/0265	1.0284704	1.2491182	1.0622903	1.0341724	1.1362087	1.1200827	1.1438382
Carrie	25040777	1.1780099	1.9311266	1.7115846	1.2457026	1.2299312	3.5397284	_	2,0311725	1.1768074	1,2895966	1,3674692
Phase-1 RCT-196	0.1487270	1.4966376	3.27.93692	1.0842137	1.0022017	1.2002887	0.9308433			1.2421045	-	0.9720898
Cyclin G	1 2089812	1 5604448	-	_	1.024/443	0.8054589	0.8648886	0.7303559	_	0.89591867	-	0.89863034
Calgrandin B5	1.1793451	1 1425312	+		0.53432413	1.0330003	1,1030343	1.00//2//	1.0614813	1.8631067	_	1.8672763
p53	0.8978914	1.1756155	+-	4-	1.0065411	1 1502441	_	0.3442030	1 038203	1.0390323	0.9103422	0.89300313
Phase-1 RCT-205	1.0250242	1.0660911	+=		0.97376275	1.148797		0 9280353	1 0149873	0 9934985		1 0008283
Phase-1 RCT-68	1.3829609	1.4294881	2.0063844	1.0051438	1.0124831	1.0477191	12328756	1.2969031	1.0559149	1,193551	1.1469512	1,3091723
Caspase 3	1.3808901	1.202916	1.3013271	1.0605229	1.0679923	1.2280244	1.1607631	1.1668854	1.036936	1,1424555	1.1590029	1.579439
Apria-tubulin	1.1087208	0.98075485	1.621208	1.0004114	1.0895827	1.2639636	1.1278923	0.938184	1.0887688	0.3369916	0.4852181	0.73351455
Median profess	1.6069325	2,3484156	2,58199		1.2181244	1.0554941	1.4414708	1.2252439	1.1640684	1.09293	1.1067629	1.1281542
Phase-1 RCT-39	C22/11.1	1.130881				0.0537656	1.1162554	1.1351768	-	1.3038343	1.0860491	1.1784645
Cofflin	0.0080880	0 0070400	1.001111101		_	0.90866745	0.9210828		_	0.87320155	0.7374082	1.0035868
Heme oxygenase	1.1162314	1 1188248	13 707437	1 375053	0.88586086	1 0500050	1.1039462	1.0121367	0.89601046	1.3628459	1.4227997	1.2566644
Phase-1 RCT-241	1.1525435	1.0752367	+	_	_	0.0505035	0 8622055	00000000	1.0203233	0.0000000	0.8720070	1.351/003
Ribosomal protein S9	1.0825168	1.5427363	4			1 1448232	4	1 11 77 573	_		4 0044005	1.1400932
Phase-1 RCT-258	1.1984203	1,2893456	٠.	-	0.95131224	1.0999037	-			1 0404322	1.0044000	1 015000R
Argininosuccinate lyase	1.2045664	1.905453	٠.		1	0.87230223	1		1	2 8383103	1 450224R	1 0327024
Phase-1 RCT-180	1.3623645	1.5232856	1,8385341	ᆫ	1.0971311	1,0686349	L		Į.	_	4	0 78425074
Muttidng resistant protein-1	1.2409593	1.2022458	1.889119	1.2192514	1.2031754	0.8503454	L	١.	1.0658762 (+	-	0.9486536
Omithine decarboxylase	1.9183862	2.1628938	3.0924182		-	-	1	┿		1,4556915	1 2827682	1.4495058
Thymosin beta-10	1,2853549	1.3834659	\dashv		1.2984315	ட	1,1220789	1,1501005	1.0699301 0.87984663	0.87984663	1.1026509 C	0.90782803
Phase-1 RCI-72	1.1274544	1.0831252	-	5573	0.9001768	0.9808678	0.92684823	0.9786701	0.87393934	1.3640453		1.4097186
Dhare 1 Dert 78	1.422/433	2.054258	4	_	4	-	_	_	щ	1.1602619	1.0052907	1.195961
Variation months of particle 4	0.94390976	0.7213291	_ [4	0.73569655	0.8576562 (_	_	ш	0,5561597
Vacazore merrurane protein 1	0.74105304	0,7889228	0.9991518	0.97510314	1.0280349 0.91438824 0.87053716	.91438824) (0.84679264	0.7937638	1.1349854	1.3439544	1,2496898

Phase-1 RCT-158	100,000,00											
Phase-1 RCT-113	1.1509149	0.9998357	5.7372694		0.94041914	1.2141839	0.9017363	0.9752735	0.9752735 0.98783624	1.0464157	0 9725178	O GRATEBUS
Findocente refresient commons in and as	1.0030/31	0.8222306	1.085368		0.7687303 0.86591506	1.0989928	1.0989928 0.90213954	0.9959237	1 1581231	1	4 34330AB	4 9070744
LTR	1.113/03	1.1120529	1.6476983	0.9994521	0.8615626	0.8822105	1.0136741	0.589122		1	0.7625257 0.95909244	0.6334852
Beta-actin	0 6064069	0000000	-									
Phase-1 RCT-65	3.3901033	2.0461933	9.479847	0.874977	0.75951916	0.8457795	0.8832542	0.7946342	0.9287778	0.6435825	1 1258684	O RADODO
MHC class 1 artices PT1 A1/R stohr chair	1.4980252	1.382386	1.7829182	1.7829182 0.94955295	1.0112531	1.0233536	1.0233536 0.9172255 1.0764174	1.0764174	1.0359195	2.0853486	1 6928691	1 6245807
Ray (alaba)	2.1031238	1.764985	2.450382	1.0174537	1.239629	1.110735	1.1624255	1 4728005	1 237 1802	1 237 1802 1 8084840	4 8422200	4 54 40007
Carbony reduction	1.2847227	1.3057766	1.6206344	1.6206344 0.9552065 0.94724494	0.94724494	1.0461246	1.0295255	1.037648	1	1 432925R	1 0620381	1 1881197
Referenting secures 2	1.2182206	1.1435828	1.9915422	1.9915422 0.87959135	1.0405794	1.1686231	1.1566231 0.88612187 0.93127066	0.93127066		1 (280224 0 R2855025 0 74112225	0 74149996	0 0004444
Interfacility sequence 2	1.3000535	0.9411416	1,5939939	1.5939939 0.89351854	1.0175153	0.9491605	1.1273112 0 92457118	0 92457118		0.7734604B	0.05529055 0.0001411	0.0001411
Dhees & Dort 404	1.2573122	1.2583014	1.13543	0.8847528	0.9072267	1.0816845	1.0816845 0.9555349	1 028R39B	1 0087418	4 4407602	4 0054200	0.01/63006
Fridage-1 KCI-191	1.4874156	1.4979584	2.5144691 0.79162127	0.79162127	0 944198	1 0833554	0.0720797		* 00420C	1.110/032	99710001	1.0569B14
Phase-1 RCT-111	0.9628382	0.7498056	0.891614	0.7967344	0.7501012	0 8048188	0 00000	0600000	1000 / Oct.	1,5//658	1.4074147	1.3583895
Apoptosis-regulating basic protein	0.64985945	0.60177714		1 2730108	4 0202476		0.0230149	0.8082130	0.8032130 1.0897/82	0./8/6/49	0.8444198	0.77913165
Giutathione peroxidase	0.31497556	0.26059127	0.2105558		02020200	0.00000	3.24CD8UZ	0.9525243	0.9525243 0.91834444	0.6032715	0.8686081 0.61751163	0.61751163
Phase-1 RCT-239	1.2476604	1 3921870	0.8524420 0.74063747		0.9090074	O'SDOO'D	0.6100336	0.9997932	0.8913263	0.6186622	0.8085324	0.7700386
Phase-1 RCT-67	0 95356756	0 0001071	0 99795757 0 54000947	0.00000147	200000	0.8892142	0.8892142 0.82507575 0.90073115	0.90073115	0.8759945	1.47695	1.247851	1.1122367
Tryptophan hydroxylase	O GROEFISON	1000000	102001000	104900317	0.984122	1.1861598	1.1861598 0.9203821 0.80379715 0.90624243	0.90379715	0.90824243	1,0524902	1.0524902 0.88758016	0.9013942
Suffotransferase K2	0.7040206	0.9033032		1.201/593	1.0104796			1.2132279		0.9023696 0.97939736	0.97939738	1.0872401
Calgrandin R9	0.7919280	0.5094376	0.68/6215	1.1816319	1.0921085	1.2328321	1.5872883	1.3223262 0.93997043	,	1.2591074	1.5118801	1 3554280
Phase 1 DCT 122	1.113/381	0.6265162	0.4296531 0.9177358	0.9177358	0.9157032	0.8701664	0.8300704	0.9173915	1,0094985	1 147391	1 2343803	4 0770247
Disco 1 DCT 08	0.9078858	0.9830166	0.88306534 0.94863695	0.94863695	0.9799223	1.1886034	0.9520908	1.0198792	1.0053628	1 0742005	0.0078700	4 0744550
TIMBET INC. 40	0.8688712	0.78359263	0.699142	0.699142 0.8903397 0.88376737	0.88376737	1 0200946	0.775.00	0 77520 0 00040062	000000	2077077	0020/0000	0.044003
Aquaporin-3 (AQP3)	0.97605926	0.85836875	0.7777109	R436R026	1		0 0700555	0.001 800.0	_L		0.8969257	1.0466758
Steary-CoA desaturase, liver	0.10948323		0.067612566	34485330	20046070	1.1213242	0.07 00333 U.93314016 U.94294393	0.93514016	0.84294393		_1	1.0266987
Phase-1 RCT-64			CANTAGE 0.36864343 0.27756060 0.6786176	700000	0.19240920	0.89108914	0.5460968	0.36864343	0.27756068	0.67886178	0.4072903	0.51753175
	0.0001610	0.1002002	0.049/101	0.082661	0.8489048 0.9795103	0.9795103	0.8822899 0.99642545 0.95445174	0.99642545	1	1.6982906	1.0730371	1.216899
(1) Gene expression data for 24 hour			1									
timepoint are presented as mean ratio of					•					-		
treatment/control for all 24 hour orgalizing								_		_		-
genes (Table 5).						•		-	-		-	_
(2) Compound and dose abbreviations as in							1					
Table 1.							_					
(3) Individual animal number							†		1			
(4) Liver Inflammation classification for					†		1				_	
compound-dose group at 72 fr. yes-necr.											_	
necrosis observed; yes-both, necrosis with										-		
Inflammation observed; no, no histopathology				-				_				
observed									-			
(5) Predictive gene (as in Table 5 and as included in Table 26)										1	-	T
			1		1				-	_		

Table 29. Expression Data for 24 Hour Timepoint (1)												\sqcap	
			000 000	DEN SEO	BCN 250	REN 250	BEN 1000	BEN 1000	BEN 1000	BAP 30	BAP 30		BUS 14
	AZA 200	ACA ZUU	g	25	35	92	ব্র	2	2036	2344	2345	2346	1744
Animal Number (3) Nor Toylchy Inflammation Classification (4)	1834		_		_			8	9	8	2	<u>-</u> 2	2
Gene Name (5)			-	1 1044 705	4 0004760	O BOSOABAT	1 \$450783	0 9904965	0.91622597	0.93473125	L	1.012718 0.83510315	1.397714
Gamma-actin, cytoplasmic	3.7113097	1	2,9390104	0.0507842		0 896983	0.9651043	1.0088658		1.0712887	0.97658443	1.070357	0.9624114
Phase-1 RCT-145	2.822422	1.7800894	0 0782585	1 1186035	0.8869724	0.9174147	1.0454173	1.0248128	1.1098854	1,3675758	\perp	1.6485288	0.8359598
Gadd45	1,3041097	-	0.52395505	0 92924505	1.005316	0.9592632	1.1148616	1,012998		9	-	0.8357989	1.054334
Phase-1 RCT-78	1 3866451		1 3099786	0.981465	0.7583471	0.8983236	1.0946722		_		ᆚ		1,5606/85
Fas artigen	2 800055	1 5657178	1 4802687	0.9296439	8	0.99840516	0.93152046	0.9790421	_	╛	_	-1	0.80008040 4 conceas
Macrophage imammatory protein-2 alpha	4 2075782	1 4129983	1 1690544	1.0813729	1.2109368	1.1266248	1.0635471	1,0215065	_		4	0.8962543	4 000040
Integral betail	2 581349	2 201169	2.083282	0.9522653	1.0296407	1,0891997	1.0198023	_	_	_	0.9253087	1.9841282	1.000310
Annatate anicotransferase mitochoodial	0.6679357	0.95714825	0.59875876	0.8908234	1.1217723	0.9031594		4	4	1	0.8120045 0.81752344	0.05730096	0 7654983
Cossingleta		0.9033974	0.86543545	1.0281122	_	0.93296105	9	4		0.77770	L		0.6771053
Malic enrome	0.7634053	0.7369393	0.88498616	0.8725127		0.60180175	1.021687	1	_	1	4	┸	0.7237341
Phase-1 RCT-30	0.46585247	1.0604993	1.1813573		1.1206623	0.9055895		L	0.0032049	1	Ţ.	1_	1,0256871
Henathcyte growth factor receptor	0.94783795		1.008267	0	0.7975379	0.91780745		L	ᆫ	1	Ļ	0.9289074	1.1106898
MAP kinase kinase	0.9775976			_	0.8489384			_	4	1	Ļ	1.3507537	0.8408135
Sodiminose cotransporter 1	1.1213756	1,1740056	1.3462734	_	1.479216	_	-1		4	ľ	┸	<u>L.</u>	1.7824882
Dhase 1 RCT.77	0.6356455	L		_	0.6129292	0.7212883	_			┸	٩	1_	0.7655572
Phase-1 RCT-50	2.0424013	1.8918456	1.4971058	_	0.9508708	1.1421466		0.9105/495	_	L	┸	┸	0.9492441
Physia-1 RCT-192	2.3663833	Щ	2.2067914	_		1.0567778		4	٩	L	Ľ	ᄩ	1.4246571
Phase-1 RCT-288	0.5175948	٥	0.4976981	_	_	1.2011045	0.8798338	4 0844 764		L	12	_	0.9750233
Phase-1 RCT-37	1.1384115		1.2829539	_	4	1.0264140	_	┸	┸	L	+-	1.1549846	0.8610155
Organic cation transporter 3	1.2895361	┙	1.4426008	1	1.1819994	4 058478B	1	1	L	L	6	_	1.2937964
60S ribosomal protein L6	2.109469	1	1./14/254	1 0000030	1	┸	┸	Ľ	L	1.2265573	3 1.045693	_	0.97833765
Zinc finger protein	3.78334/1	4 3738416	1	_	Ļ.	┸		1.039032		Ц	_	-4	0.95140743
Calgranulin B2	4 6034024	l	L	μ	↓.	_	\mathbf{L}	1.107624		의		_1.	4 074028
	0 9004308	10	┺	-	┖	1.1429317 0.87751967	1.0870357	_	_1	_	1		1.014030
Phase-1 RCI-92	0 47478745	1	1	┺	_	0.9575027		Ц	_	٦	4	0.0993200	4 2070000
Phase-1 RCI-116	1 507515	ı	┺		L	ш	1.3069142	_	1.2325181	١	_	4	0.7435738
Matin F/G	0.7669726	L	1.2104138	1	ш					4 0055900	1.0472754	٠.	0.9258748
Phese-1 RCT-79	0.718925	1,1416415	ш	9	이	_	4	0.976/308	1 0.9413388	L		┸	1.6453965
Sorbitot dehydrogenase	0.98891145	٦	-		4		1.123/100	┸	1		_	드	1.4544767
Phase-1 RCT-24	1.1920924	_	4	4	_	0.9339003 0.0403043	1_	┸	┺	L	╙	1,1167344	1.0446277
Calgranufin B1	1.5681757	1	1.0034/0/	1,0003474	-	1 2466987	i	<u> </u>	L			_	1,2259861
Elongation factor-1 alpha		140/00/2	Ľ	+	4	1	┖	2 0.80971235	_	٦	-	_	1.5709223
L-gulono-gamma-lactone oxidase	0.38231924	1		١.,	1_	┖	1.0218835	5 1.0051633	0	_	4	4	1.2807888
Phase-1 RCT-33	4 4384608	L			٠.	_	1,2109932	ш		_	1.0712705		1.229B693
unio Local	0.8258145	Ľ			١.	0.8528396	1.1111006	6 0.9091355	- 1	4	7	1.000039	1
Prizage-1 RCI-233	0.8427327	┺	_	1,2326769	9 0.8993069		_1	┙		4	9 0.9325002	_	
Dhose 1 BCT 242	2,7421343	L	1,7595274	Ц		9		4	_	4		_	_
Dhose 1 DCT-181	1.0853324	4 0.8594197	7 0.7264623		ч		<u> </u>		4	0.0000000	_	1	┺
Phase-1 RCT-185	0.76624621	7 0.8287317	Н	Ш	\Box	4		7 0.79753008	8 1.0185-63	1			Ļ
Phase-1 RCT-179	3,400019		_	_	1		9	ľ		Ŀ	٠	-	0.901138
Phase-1 RCT-144	1.5808697		_	_			4	L	_	L	1	Ľ	_
IKB-a	1.9840299		_	4			4 0 07940397	1	_	L	-	4 1.3423789	2
Phase-1 RCT-225		3	4	_	4 4075707	7 4 0800574		1,	1	1.3701717	17 0.9989895	5 1.2543863	1,3254699
60S ribosomal protein L6 (atternate clone 1)	2.437476	2.31947	7 2.1404097	7 1.0303496							_	- 1	0000000
	1 6286935	5 0.7008052	1,4540414	4 1.0390564	1.0174049		ш	Ш	Ш	┙	21 12201084	4 1.1359959 c 0.0500038	
M. didne meletant pentain.	2 8270404	L		4 0.92627585	5 0.7926945	5 1.0984764	4 0.9789383	13038982	1.1755364	1.60/0417		1	1
שמתחת ובאומנוו אומנמובל		1	1										

				000000	1000000		00045000	9963630	0.036428	A OSECRED	0 90540725	0.92585754	0.8324286
Phase-1 RCT-49	1.4146855	0.7749877	1 000001	0.95410/3	1.0090465	4 05811891	1 0463935	1 0430178	1 2194318		_		1.1261985
Calgrandin B3	1.1850910	0.0635735	0.7178788	1 1875981	1.099978	+	-	0.94493186	1.0027916	1.0304714	-	_	0.85933844
NALIP-dependent isodinate denydrogenase,	1.0622643	ה המפינה	3	3									
Octamer bluding protein 1	0.79040384	1.2553581	0.87945575	1.0177008	1.1328458	$\overline{}$	0.92313564	1.0080582	1.0049866	0.944085	1,0001809	1.098728	1.0704348
Sodium/bile acid cotransporter	0.35449892	0.5923152	0.42051202	1.153714	1.1835811	0.9872644	1.0882746	0.6436162	1.0652184	1.7685418	1.3887147	1.76/5/44	0.8062378
Phase-1 RCT-174	0.8953983	0.81263876	1.1836231	1.0394846	1.2327828	1.0398386	1.1755452	1.1633273	1.5241637	1.1226345	1.0126657	1.2333300	0.720307
Phase-1 RCT-77	1,2372648	1.1537238	1.2570834	1.0220433	1.2986647	1.0546501	1,2595639	1,2453387	1.8138458	1.3472059	1.0486833	1.4085846	1,23343/0
Inositol potyphosphate multikinase (fpmk)4	0.5792218	0.61642385	0.4954063	1.1532516	-	1.1830523	1.1864895	0.6786357	1.1560445	0.8458368	0.62094057	4 4304250	1,200003
Phase-1 RCT-256	0.6239309	0.5814197	0,5354769			0.82076734	1.1988181	1.0822227	1.0938944	1.021899	1.0301824		1.3333040
Equilbrative nitrobenzythioinosine-sensitive	0.46994913	0.49531904	0.5670274	0.96419644	0.97268885	0.87457097	1.0759777	1.0062685	0.96267563	1.019853	1.12600821.1	2000	0.94093514
rucleoside transporter	0 6069099	0.6305043	O SOUNESES	1 0691475	1 1245549	0 988 1231	1.0525408	0.88369244	0.86313635	0.98118854	0.8895303	1.1369823	1.0889577
CUK102	4 0001342	0 96830845		1 1289405	_	1.0618719			1.019647	0,9251341	-	0.96910405	0.74322766
NATU adoptomo he maintee	0.8351456	0.8324003	1	1 2944975	1.0876421 0.85552514	0.85552514	1.4908929	1.1228276	1.1606281	0.9403333	0.8061768		1,2486472
Descript (D40)	0.84477716	0 7388033	_	1.0105406	1.0823545	0.92267275	1.0720388	0.9048159	0.92819273	0.8574143	0.75247794		0.77780445
Senescence marker embain-30	0 10437873	0.09291836		1,1751034	1,1928709	1.1474496	1,0320355	0.65751	0.8170337	1,0364783	1.4015683	-	0.87090427
Dhase 1 RCT-89	0.5954438	0.5911851	0.68288153	1.0488504	1.0163027	0.9257058	1,1293125	0.9675681	0.8607842	0.9187344	0.9063843	1.0859551	1.2126415
Carnitine nalmitovi-CoA transferase	1,621366	1.9778488	1.5281978	0.95169365	_	0.8989208	0.93954355	0.8717857	1.1570069	1.3039671	1,2265195	1.0168786	1.0038165
Alaba-2-micmolohdin	0.12543853	0.1880419	_	0.9343721	0.50424296	0.82860994	1.6515193	0.65339285	0.7918583	1.1189771	0.9160097	2,666175	0.8744636
Andipopulation Cili	0.62419015	0.58414114	0.4123555	0.94329876	0.98517257	0.8685129	_	0.64050883	0.9026303	1.256718	0.9488789	1.2317374	090002
Cathensin Leaguence 2	4.1413903	4.82356	L	1.0810305	1.0625975	1.4416926	0.8298467	1.0271238	0.93862164	2.8414452	1.4512879	-	1,0440164
Phase-1 RCT-141	3,2296612	6.9163303	2.3801975	0.0169013	0.781802	1.1737773	1.1436108	1.129685	1.0986097	1.2916052	1.0542018	-	0.788780
Phase-1 RCT-289	0.9474728	0.7682819	0.7795215	1.0573394	1.066336	0.8989091	1.0557551	0.8209057	0.9161742	1.2562124	1.0549604	1.3915164	C8218/1.1
Endothelin-1	1.1088662	0.9668167	1.0813926	1.1378936	1.0445148	1.2817262	0.93396436	ᅃ	0.9206928	1.3795037	1.0213939	0.89215666	0.750938
Phase-1 RCT-282	0.68845475	1.1486623	_	0.9376797	0.9829485	0.9284948	0.9824312	1.0099657	0.9178307	1.0032766	1.2377121	1.186/855	4 0040070
Phase-1 RCT-140	1,2765715	1.0285	0.975914	0.92668805	0.8114068	0.9923118	0.99144363	0.9673818	1.0381533		0.93224967	0.82605936	1,00162/6
Ovelin D1	0.5966351	0.8283043	0.85640275	0.95179695	1.0092734	0.8213618	0.92760956	0.9809867	1.0244764	0.59660083	1.0699245 0.80472445	0.804/2443	1,0032000
Phase-1 RCT-287	0.8071703	0.9708404	_	0.97998065	0.9924194	1.1287555	1.0315409	1.0374467	0.94756085	1.1826491	1.0264601	1.18013	4 995944
Phase-1 RCT-281	0.85263234	0.69753057	_	1.0276697	0.7622234	1.0176568	0.9080836	1.0171852	1.0490196	0.68288330	0.7525281	0.7013030	1,000001
Retinal-binding protein (RBP)	1.251445	1.6014091		1.136686	1.2551725	1.084481	1.426237	1.0786796	1.5084844	1.3792137	0.86479374	1.4108398	1.00000
ATP-stirrutated glucocorticoid-receptor	0.624185	0.5888142	_	0.9366723	0.9001137	1.1300302	1.0758297	0.95707595	0.85683425	1.2275275	Seser SO. r	01418011	overnoon:
translocation promoter (Gyk)				2000100	, 442000	44400	4 4077000	4 0003076	4 4676043	4 M242258	1 5100404	1 1683089	1 0203103
Phase-1 RCT-80	2.3199732	1.9176984	Л.	0.9348237	1.14/0234	1.1 1033/0	0.05734783	1 070581	1 0017515	1 1539986	1.0684897	0.9974641	1,4432871
Pyruvate kinase, muscle	1.1415324	0.7504/30	Т	1.0180481	1 1507344	0.05/0400	4 0012252	0.9760183	1 005397	1.0038546	0.9903606	1.0913972	0.9829292
PAR Interacting protein	2.7082071	2 075570	1 4382788		4 1152691	0.93111694	1 1390778	1.0558496	1 2782239	0.7941501	1.0832835	12344192	1.1649014
Nucleoside diphosphate kinase beta isoform	1.6000621	7.073378		10/#260.1	100001	1000	2						
Gadd153	1.5431488	1.6952058	1,5897092	0.90638196	0.96643066	0.8976809	0.83589646	0.9680713	9	0.8923781	1,0003737	0.83028895	0.98548174
Insufficient factor hinding protein 1	7.4772077	9.646749	_	_	1.2538363	1.2067088	1.217728	1,2859656	1.0474768	2.1500325	1.1949488	1.141738	0.8980807
cH-ras	1,3059788	1,327043	-	L.	0.98563987	1.1840907	1.0482775	1,104404	_	1.1091162	1.0370578	1.0000782	1.1228689
N-hydroxy-2-acetylaminofluorene	0.25499564	0.3152328	3 0.36131755	0.9549221	0.9815674	0.912648	1.0523893	1.2117546	0.92031634	1.0873955	1.1490573	1.3631811	/groscn:L
sultotransferase (S11C1)	0.00000000	0.44503049	0 6400303	4 24 74 4 24	4 1812415	4 024859	1 9433112	1.0878819	1 2588234	0.84706795	1.0517883	0.9226985	1.1163683
Phase-1 RCI-52	0.39500013	0.44502015	1	ㅗ	1 377775	0.78566178	1.1728784	0,81316113	1=	0.89521384	0.61865648	0.78065675	1.1060873
Charl contac ample 2	0 60767734	0 65710473		10	0.9145578	1.013577	1.0997801	0.91935766	1.2876108	0.9334444	1.0759339	12940714	1.1929957
Occasio polos fracendar 3	0.44979288	0.6878383		_	0.97355425	1.023828	0.95369965	1,0919858	0.98145556	0.7736386	0.9169813	0.939876	0.9774919
Calcamatin 84	0.42005438	0.61256976		L	0.9380732	1.0429778	0.87386847	0.95278746	_	0.84254324		1.0770663	1.4979415
Phase-1 RCT-182	0.90876913	1.0611457	7 0.66145897	_	1.1186393	1.0371811		0.9571756	_	1.0125006		1.001911	1.123/26/
Caloramilin B8	0.73806477	0.6858002		1.0949107		0.82621294	_	0.9641639		0.793977	0.74453914	0.9925683	1.287.230
Aldehyde dehydrogenase, microsomal	0.89021677	1.0531714		-		1.0734015	_		1.2111809	0.9944133	0.91032506	4 0672044	4 4487204
Phase-1 RCT-128	0.72461706	0.48107618		_	1.1524248	0.9332992			1.0054172	0.93040090	0.72463220	73066795	1 2747341
Phase-1 RCT-102	0.41254248	0.27633217	-+	-	1.0985925	0.508824	0.78097010	0.7472662	_	0.43203030	0.20.04036	1 040158	13228686
Preproalbumin, sequence 2	0.7066922	0.8150197		٦.	1.116630	1.100/02	┸		0.1118.32 (DIVIDE	1 58 19129	0.756988	0.7066578	1.3777405
Apolipoprotein All	0.9525993	0.99091434	4 0.03391044	1.07/40/1	0 98537844		0.9543903		0.92131275	1.2485548	0.8828608	1.1947073	1.1778935
Phase-1 RC1-10	0.86159456	0.78809893	0	1.			1.1410823	0.7717118	-	0,6532858	0.7383797	0.9898392	1.400528
71836-1 RV 1-40	0 74190825	0 7996915	-	1.0283206	1.1431545	1.1237843	1.1832012	0.8020893	1.0821699	0.9226808	0.7012718	1.0043598	1,2662446
Phase-1 KCI-6	V. (* 1900m	O. room.	L'ACCEPTE I	1	_								

Disease 4 DOT 460	0.8507750	0 7841656	0 7220254	1.0482829	1 1402363	1 1048865	1.0036719	0.9422062	0.9140951	0.8567884	0.9469474	1.0212011	1.1483575
Phase-1 RCT-88	0.8937986	0.93395406	0.89818895	1.0867556	1.0979505	76556968.0	1.0120294	0.9462617	0.9951761	0.95017893	0.96582276	0.8197932	0.6442019
Bets-clearing synthase	0.555379	0.89780118	0.6345716	0.8905964	0.92911047	0.8000643	0.7358917	0.85795194	1.2408981	1,019412	0.7192498	1.0272918	1.0551369
Phase-1 RCT-296	0.36829093	_	0.27418447		15	0.6119775	0.7078477	0.8873732	0.9964241	0.35566008	0.61522377	1.2677956	1.0469518
111 01	0.112829156	٠-	0.09799624	0.92675316	0.80455804	0.64836967	1.9800402	0.51693827	0.6469516	0.21616134	0.5853369	1.2893048	0.8961489
	0.83210254	-	0.64773524	1,0311136	1.0822281	1.0381668	0.9800899	1.03217	0.9643396	1.1064429	0.97443044	1,237043	1.1395005
Carbonic anhydrase III. seguence 2	0.66471225	0.7818511	0.6606809	1.204507		0.89980274	1.0831294	0.87824154	1.2683818	1.08089	1.0292073	0.8185888	1.1473573
Phase-1 RCT-271	0.81631464	0.908581	0.7150847	1.0753878	1.1988932	0.9673495	_	0.9232683	0.91120255	0.7968035	0.7628693	1.0253858	1.4306257
HMG-CoA synthase, mitochondrial	0.83274364		0.69510967	0.98765373	0.9690706	0.976898	1.4505692	1.1079396	1.4873179	1.0275298	1.0070657	0.7884471	1.4339507
Phase-1 RCT-189	0.5559768	-	0.4814428	1.0086552	1.1220528	1.1701125	_	0.9118889	1.0496056	1.087906	0.896/3/40	1.8996317	1.20/03/00
Phase-1 RCT-40	1.0034037		0.8039673	0.9584477	1.0584356	1.0212855	1.2086035	0.89288276	0.8817722	20	0.94673604	1.0502200	1,23/0/69
Urinary protein 2 precursor	0.39573893		0.39835075	1,0099877	1.1223582	1.1052583	0.982656	0.82481396	0.908179	1,3100915	1.0346922	1.258212	0.0487443
Paraoxonase 1	0.5513834	_	0.39477864	1.0723425	1.1213222	1.1918526	-	0.8268871	0.8769804	1.5926524	1.3103003	-	0.00033875
Liver fatty acid binding protein	0.3070056	-	0.24043185	1.0808522	1.4414902	0.9398744	_	0.83238766	0.99900494		0.70001210	_	4 4988444
Presentlin-1	0.4914363	0.37238634	0.3230102	1.136706		0.8416628	1.1980/21	0.7869749	0.75974230		0.04034 124	4 5440840	4 0046700
Phase-1 RCT-38	0.5638173	0.6010841	0.4800534	12624466		0.83185214	1.0996178	1.1/1/69	1.08/6458	7.1001920	1.1001920	0805500	4 365/044
Phase-1 RCT-270	0.31713533	=+	0.2660066	1.0055592	1.0221418	1.0584.32	1.23062.1	0.91/40/	4 45 40 604	0.7010301	_	0.04034637	0.0507708
Transthyretin		_	0.28354716	0.925694	_	-	1.08/0161	0.0001942	1.1340021	0.0122030		0.01824024	1 5011321
Hepatic lipase	0.48288724		0.36629662	1.1180252	-1.	_	0.89006656	0.99162/2	0.8040000	4 5200092	┺	+-	0 70413676
Cytochrome P450 11A1	0.45411703	-+	0.47654885	1.1886826	1.1982/95	_	0.9767699	4 080448	1.0042302	1 0507814	0 9055804	-	1 338864
Phase-1 RCT-175	1.055828	1.5136105	0.7650534	1.16306281	0.91393403		0.91233044	O POSSESSE	4 2606820	0 08300355	0.75640017	72122127	0 6846969
Phase-1 RCT-117	0.73064005	0.9177682	0.7440881	0.865/032	0.9396662	_	0.7233453	4.0000004	1.208023	0.00447084	003793188	1 2014770	1 5920246
Phase-1 RCT-137	0.6888283	0.88552934	0.8477727	1.1328114	1.2717985	1.0440713	81200000	1.2086991	0.930078	0.8044/804	100000000	0 7074667	0 7034201
Melanoma-associated antigen ME491	1.183064	1.1525198	1.0177659	0.8850345	1 1398335	1.1886117	1.1011051	1.107526	0.869632	0.86/43414	1.12/2/34	0.7874057	4 04 46047
Phase-1 RCT-12	1.1861581	0.80969983	1.2324103	0.9713572	0.87833254	0.8743198	1.0794019	1.124/8/1	1.18/3980	0.63897707	1,0030121	4 2002004	4 4895936
Phase-1 RCT-152	1.9038615	2.3436167	2.026818	0.93440604	1.1481379	1.0084034	1.0914087	1.0043300	1,2130	1.4/40924	1.09151051	1200000	4 2004000
14-3-3 zeta	1.8645452	1.6531961	1,6096697	0.9208501	0.8478094	0.88148403	0.9486937	1.0424389	0.9743778	0.92/0832	1.045094	0.85269110	4 4789895
Cytochrome P450 2C23	0.71327937	0.33882317	0.4674918	1.171954	0.8560863	1.2255848	0.7694954	0.8211396	1.011484	0./602143	0.40242134	4 264 7238	4 9424470
Voltage-dependent anion channel 2 (Vdac2)	1.8207892	2.4026294	1,5569768	1.072399	1.007202	1.0133826	1.280285	/L/9L'L	1.5618833	1.13/2100	1.0401921	0071071	2.01
Dhoen t Derr. 164	3 2134542	23379166	28159227	0.97374433	1.0869392	0.9941529	0.9363217	1.0047576	1.0600618	1.0376146	0.99750656	1.1128929	0.60961914
Committee Ma	2 2238707	2 8638457	1,320855	1.0570874	0.968507	1.0107254	1.2044377	1.2432184	1.6476307	1.5030962	1.1641678	1.1524429	1.3086507
Superiorde distinuese min	2,956166	2.4390032	1,5227859	1.087673	0.9170278	0.8689754	1.0511134	0.9884758	0.95443976	1.1770171	1.000762	0.7601999	0.8303317
Phase-1 RCT-196	1,7109098	1.3954289	1.4653112	0.96753454	0.8641454	0.9598656	0.95471513	0.9088214	1.0000482	1.0061417	0.9777634	1.0784339	1.1025907
Codia	4.1628447	5.219233	4.203121	1.0759602	1.0838652	0.8941499	1.0132829	0.966465	1.0430251	0.99291176	1.1240302	1.1363571	0.8723437
Catarandin 85	1.5444068	1.1002783	1,6183009	0.9868152	0.9875834	0.8953738	0.93491405	1.0208156	0.9942059	0.9522239	1.0267328	0.9416349	0.7898463
553	1.6350684	1.549507	1,4160074	0.96177745	1.1538652	0.9543483	0.9370994	0.95851394	0.98026025	1,0004919	0.90284634	0.9886983	1.3718901
Phase-1 RCT-205	1.4595677	1.0801259	1.2561373	0.9881128	1.1834087	0.9485072	0.9858624	0.96098113	0.90601885	1.0633568	1.064425	1.0567652	0.89252265
Phase-1 RCT-68	0.977351	1.668641	1,2330366	1.0292512	0.9737785	1.060279	1.0595927	1.037138	1.1787753	1.2427368	1.0319047		0.8833340
Caspase 3	-	1.345574	1.6733829	0.8365451	0.71450218	1,0195246	1.0624214	1.108786	1.1261605	1.2/0951	1.442200		1,000/334
Alpha-tubulin	0.9565178	0.679482	0.81107765	1.1064637	1.0863098	0.8350997	1.0267411	0.8/1422/	0.914342	0.7974294	1.24 1009	4 0740544	0.457.8050
Ribosomal protein L13A	2.3670874	2.1578383	1.5810844	0.9783386	1.1213123	_	1.049043	1,2218935	1,5/29314	1.21/2131	0.82098707	1 041264	0.8334575
IgE binding protein	2.0368078	1.1205053	1.2887799	0.9922071	0.9552927	-	0.92231127	1.0041504	0.81646363	4 0758475	4 0033355	0.073535	0.907436
Phase-1 RCT-39	1,3282126	12363253	1.2692422	0.94941///	0.8630504	1.0160162	4 4557000	1.2119007	4 OFB144R	0.07830148	0 87129245	1 0250045	1 0805206
Coffin	2.004856	1.9089888	1.7015514	1.07/3121	1.126/308	1.09390454	000/000	0.920111	0.0456867	1 2108147	0.93584603	-	0 98388376
Heme oxygenase	2.2231264	1.9260212	1.1356056	0.8620411	-	1,2103134	0.007000	4 4800033	0.0000033	0 82071835	0 92380965		0.86997163
Phase-1 RCT-241	2.8140347	233400	28338862	0.9010/434	0.8000073	4 0042004	4 0534970	A 79554444	4 4452074	4 001RER	0.0348829	1 156297	1 2270125
Kibosomal protein S9	1.8/21043	1.0/323/4	1.1191000	0.0907052	1 4072503	1 0775684	0.9812813	1 024189	1.1017636	1.0585428	0,93366385	0.996589	1.0208126
Friase-1 KC1-238	1,004/0	4 4464067	202020	4 00485	0 8989170	1 2700237	4 476554	0 94357618	1 5382729	1.0327706	0.85641885	0.97438073	1,4231238
Argininosuccinate lyase	4 5577289	1 3217336	1 2082231	1.0153166	1.1699657	0.8752314	1.0433127	0.9300399	0.8989515	0.79091775	0.890127	1.1647229	1,5064911
Mutitan mejetort omfejo-1	3 432101E	2 0541956	2.3562581	0.9083537	0.9137271	1.0225953	1.0110735	1,1263778	1.1982965	1,5288286	1.2348312	0.98022354	1.0588647
Omithing decarboadasa	2 6874852	23179746	3.1643207	1.0829935	0.79600984	1,0381306	1,2280579	0.978528	0.9153351	1.0119632	1.0287522	1.1766845	1.1798028
Themosin beta-10	1,5735146	1,3253361	0.9694758	0.95134825	1.0328171	0.9745186	0.9128686	1.0507609	1,218369	1.1293613	0.9054156	0.9386569	1,5576366
Phase-1 RCT-72	0.5506171	1.1688455	1.1948105	0.95006283	0.9733757	0.9486521	1.0914369	0.9899353	0.9517062	0.8425267	1.0421966	0.920265	0.76259214
Phase-1 RCT-109	2.0017002	1.5736568	1.9256737	1.013805	1.2096984	1.0263801	1.100054	1.0720357	1.269072	1.1660494	0.9145849	1.0070486	1.2585077
Phase-1 RCT-76	0.91144884	0.6527289	0.73725533	1.1208379	0.8151098	1,1174648	0.8289839	0.9902394	0.9357452	0.8714872	0.85471994	0.8321388	1.0726848
Vacuole membrane protein 1	2.1989672	21514184	1.7779377	1	0.988078	1.0398912	1.1039929	0.9025556	1.2876123	1.240397	1.0570052	1.1670954	0.8458469

										201001000 0 101000000		0.887883	0.9771778
	0020000	4 0047067	1 0114515	0.9601507	0.9601507 0.88396335	0.9384102	0.8706024	0.978675	0.978675 0.90313625	0.8089813			97723844
Phase-1 RCT-158	0.8525/82	1.021120.1	2010010	4 DAK2346	4 0447345 0 8413784	1,045639	1,045639 0.80392303 0.84863325 0.9361916	0.94863325	0.9361916	1.035/340	0.00000	4 4008304 0 04377985	94377985
Phase-1 RCT-113	2,6399585	3.0000212	70108107	4 222640	4 mane 10 0 47688344	1 1455748	1.022733	1.022733 0.9853415 0.89411753	0.89411753	1.0212339	8/99ccq'L	1,483000	
Endocerrous retroviral sequence, 5' and 3'	0.9938678	0.6176182	0.6176182 0.68952485	1								000000	4 0000000
T ALL			-	4 0400040	1 0100018 0 E8033426 0 74787077	74787077	1.155623	1.0013711	1.2273529	0.7547822		0.0001123	1.8090000
City California	2.1455996	1.209875	ŀ	1.0198948	0.50003420	0.0040620	1 26 18 26 1	1 1758787	1.09439	1.0598484	1.2147654	0.9552781	1.2402508
Obsert DCT-68	1.4580855	1.8278515	- 1	1.021930		4 0004794		1 0707842	1.2058761	0.9117461	1.1461595 0.89470667	0.89470667	1.2839231
Mary Local partices PT1 A1(A stobardtain	1.142385	1.3498808	1.7781652	1.7781652 0.97147256 0.77110094	0.77110094	1,0004034	0.0400462 0.08435783	0 08435783	11754037	0.96588853	1.0425696		1.2283171
Mary Cales I Blugger I and Cale Cale Cale Cale Cale Cale Cale Cale	2.1796682	1,5512561	1.7595508	1,7595508 0.98152924 1,0086565	1.0086565	0.8918374	0.89183/4 0.845840E 0.8045395 0.95938504	0 09053395	0.95938504	1,1054786	1.0237094		0.98552088
Bax (aprila)	1 3698994	1,4838775		1,3819762 0.99913746 0.98129785	0.98129785	0.9882410		4 0405200 A 0230047 A 02205276	0 02205226	0.9453414	0.9060245	0,9060245 0.76106334	1.5744919
Carbony reducese	1 6427408	1,0103257	1.03108	!	1.0021327 0.89916325	0.8376708		4.0044074	1 1851878	0.92534447	0.9888167	0.847269	-
Beta-acin, sequence 2	4 30157B	1.1396447	1,337037	0.9067274	0.9067274 0.94036156	0.9559185	- 1	1.0014014	4 9053449	0.05401954	1 2269038	1,0533158	1.1203219
Interleukin-10	23215384	1.7151371		1,0358827	1.0358827 0.95744467	0.9776347	- 1	1.238121	1.4443107 1.2381211 1.2351210 0.000004 0.00000E04 0.00383308	0.9816579	0,935583	0.89945227	1.2083801
Frase-1 RCI-181	0.9199034	0.94973946	L	0.753071 0.99160874	١,	0.98540765		0.002000	1 0882722	0.93170136	0.9430229	1.1728424	0.7712702
Anase-i Rolling back number	0.5646998	0.6107443	0.6107443 0.54422534	1.042234	_!		- 1			0.6505787	0.67019844 0.87592854	0.87592854	1,3055708
Apopusis-regularity dasic process	0.47857672	0.38687155	0.38687155 0.3344634 0.99042004	0.99042004	_1		- 1			0.81717898	1.0907521	0.8635912 0.73499986	0.73499986
Gluaritatie permisso	0.64792484	0.8278147	1.1579431	0.94825286	ш	- 1	- 1		17	0.81745696	0.81745696 0.9487723	0.9668241	0.7132618
PIESO-1 ROI-203	0 89434165	<u>. </u>	0.7409334 0.9626217		1.0235074		- 1	-11	4 4868208	0 932601	1.1028726	1.2352374	1.1096928
Phase-1 KUI-o/	0.5236378	0	0.83148134 0.79289913	1 1		1.0086603	- 1	1.0925/19 0.0413030		0.8622487	1,1089174	1,0597354	1.11071
Tryptophan hydroxylese	1 0618917		1,106641 0.94916694 0.98930657	0.98930657		0.9796207	1.1977624			1	_	0.9882633	0.99978938
Suitotransiarasa N.	0 8408106			0.7719846 0.9831987		0.78149384	-1		0 8678719	1	0.9134544	0.9134544 0.93421257	0.7620599
Cadrantin by	0.8852586	Ľ	0.96794415 0.91437286		-1	0.9152062		0.9115180 0.9126324		l		0.8633387 0.97859144 0.78264374	0.78264374
Phase-1 RCI-123	0 7810904		0.9989647 0.90062475		- 1			0.0933007	12	_		0.9343081	0.7789228
Present RCI-90	0.92073196		0.9551147	1.0094689	ŀ	0.922178	- 1_	0.0111000	0.8504803	L	0.687493	1.5379455	4,0331583
Aquaponing (Acres)	0.09101388		0.043902956 0.21345524 0.71576595	0.71576595	- 1	1.8362778 0.05310708				0.7973055	1,1580701	1,1628206	1.1073412
Steary-Con desaurase, aver	0.7158292		0.7115189	1.3429186	- 1	1.0047733 0.89002436	1.18550/73	I.	1	1	1_		
Phase-1 RCT-54	20001	L	_										
													_
(1) Gene expression data for 24 hour													
timepoint are presented as mean ratio of													
treatment/control for all 24 nour predictive													
(2) Compound and dose abbreviations as In													
Table 1.													
(3) Individual animal number													
(4) Liver inflammation classification for													
compound-dose group at 72 h: yes-necr,			_									_	
necrosis observed; yes-both, necrosis with									_				
Inflammation observed; no, no histopathology	_												
observed					L							_	
(5) Predictive gene (as in Table 5 and as													
included in Table 20)								•					

I I I I I I I I I I I I I I I I I I I	_				-			1				1	
		П				7	- 1	9677	CAD 46	CAR 18	CAR 16	CHCL3 250 C	CHCL3 250
			CAD 1	CAD 1	246	2044	2045	2046	854	1855	1856	둜	1625
Animal Number (3) Liver Toxicity Inflammation Classification (4)	1745 n	2 1/46				_	yes-necr		2	2	92	Ou .	2
		1			†								
Gene Name (5)	10000	0 66444004	O REGR718	1111925	0.8218571	1.2085281	1.7285603	1.6833653	1	0.8829377	0.70389434	1,3968328	2.0080492
Gamma-actin, cydpiasmic		0 980446	1.1531684	0.95013638	0.9674025	1.4606414	1.8941183	1.338319	0.9431939	1.0105226	0.9734493	1.9835876	1,3002692
Caddet	0.75245726	0.9821052		0.96775615	_	2.248084		1.8911576	0.9853353	0.9105629	1,0144325	0.6374637	0.0442409
Phase-1 RCT-78		1.1592139	1.0255255	1.037231		0.72734666	-	0.76158047	1.094995	1,0900303	1 5670308	1 439155	1.3101397
Fas antigen	1.2360479	0.9835884	1.0658228	0.9866289	1.1449132	1.52409	1.9021442	7 2864825	1.43/0464	1 3881137	1 5386143	3.5830648	1.4085846
Macrophage Inflammatory protein-2 alpha	1.1093072	1.0592467	1.0709677	0.908618	1.0554452	1.6413306	2.3680/60	2 2608157	1 0638644	1.04303	1,1443281	2.5847468	1.312327
Integrin beta1		0.9992426	1.0922253		1,2827763	1.8243084	1.45/0/27	4 E40EB2	4 784685B	1 4003307	1.2896867	1,2676375	1.1690223
Phase-1 RCT-207	1.019465	0.98283166	1.1221644	0.85474407	0.3030730	0.07701956	0.0014201		12	0.8304228	0.929993	1,0795975	1.1376342
Aspartate aminotransferase, mitochondrial	1.3409837	1.3409837 0.98473235	- ⊥	4 004909		0.97791330	0 9347567	1.0798084	1.0710111	1.0199775	1.0612645	0,8843199	0.88642937
Caseth-alpha	0.7811341 0.9/86442	0.9786442	1.2/5/5/0	1.004000	_	0.81401944	0.9448172	0.8276157	_	1.0427637	0.7445111	0.7043695	0.8228937
Malic enzyme	C/CZRALGO	0.35000500	L	1 0027535		0.780627	0.8313031	0.727006	1.1362075	ïL	0.93352723	0,62005085	0.93498695
Phase-1 RCT-30	0.72788507	0.941/4/20	丄	1 1302462	.12	0.9773619	0.8588541	1.0865181	1.1576304	1.05903	1.186671	0.736158	1.0364493
Hepatocyte growth factor receptor	0.656865	4 0205780		0.8604		1.3970004	1.4582615	1.5401709	0.7863244	0.7529784	0.9128637	1.2406976	1.1201105
MAP Kinase Kinase	9 0041174	0.9058797		1.2335327	1,4087166	0.9879965	1.1838065	1.0511358		0.45240426	0.47522447	0.5792445	0.99922824
Sodiumgucose conditistories i	0.83099175	0.5010047	ᆫ	9	0.6658959	1.59982	0.9485575	1.6057389			0,5384949	1.4420327	1.8842391
Phase-1 RCI-2/	0 7004906	0 9755142			1-	1.1990254	1.3749977	1.2915208	_	_	0.95595133	2.9030688	1.0186405
Prizze-1 roll-30	1 0434508	1 0452284	↓_	1.0038055		1.706817	2.3180552	2,220798			1.1264347	1./6/238/	1.3310023
Phase-1 RCT-192	1,5688425	1,0287265		L	0,816827	0.6979315	0.5772716	0.6385961		0.6263041	0.73704344	1 8288437	15163486
Phase-1 RCT-37	0.92684466	1.053153	Ц	1,2522728	1,2397865	1.5247991	1.8626586	1.7855/68	0.9342423	1	0 97193664	2 0240538	1,6266541
Organic cation transporter 3	0.9219961	1.0308381	_	4	.1.	1,85884/5	0.747949	2.0412001			0.9655191	2542786	2,001232
60S ribosomal protein L8	1.0942562	1.0766976		L	Ц.	4 0779959	4 3484633	1 451205	_	0.9958291	1.0325587	5.140148	1.0743979
Zinc finger protein	1.3610433	1.6728373	4 038048	1 1149963	1 0776592	1 4963483	20199742	1.7888768	ட	ш	0.8991346	0.8171689	1.4187799
Calgranulin B2	4 4472072	0.88737182	ľ	┸	1.	1.2739114	1.4758488	\perp	1.5675051			\perp	1.3842239
D-1	1 1755104	0 9182518	┸	1	1-	0.6411897	0.59804857	0.6062883	Ш	0		┙	1.028058
Phase-1 RCI-82	0 7353743		Ļ		0.99089646	_	1.762379	1.9521385			1,6315752	1.4532144	1.1323
Phase-1 RCI-115	1 1594794		1	-		0.8256525	0.69480646		믜		0.74774194	4.4054705	4 4577457
Mad Pomologie (MI H1)	1,067806	┸-	1	1	ш	1.2972587	1,459719		-		0.9545184	1	1 0957108
Phase-1 RCI-79	0.8719254	o	_			_			_	4 9481937	┸		1.6237974
Sorbitol dehydrogenase	1.4126883			_	_	_	_	1.3000/30	1.3303100		1 2828925	Ľ	1.0047469
Phase-1 RCT-24	1.3186815	\perp	4		`\	1.8883198	2./0/660/	4	1	┸.	L	L	1.5891119
Calgranulin 81	1.0671792	_	_	1.0042372	1.424/69			1	9	⊥_	L		1.4968712
Elongation factor-1 alpha	1.2377818	4	0.7354633		┸	-	0 54570204 0 34495962	_	0.49944884	0,68631303	0.60933614		0.5586789
L-gulono-gamma-lactone oxidase	1.5/04963	1.100/333	╌		_		0.83059496 0.70000654		1=		۲		0.9778237
Phase-1 RCI-33	7.4804705	4	4-		1		1,4943736	1.6576997	1.8101414		_	_	1.064371
Court 222	1 2148927	1	┺	1	_	0.69574887	0,5920321	0.6565312		_		1	0.8463633
Prisser I Not -255	0.91034853	+	1	Ļ	1.3902068	_	7		<u> </u>	4	┙	1	0.00017007
Phase 1 RCT-242	0.74517745	0.8567058	8 1.4282796		Щ	- 1	- 1	_		_	1	A 6828901	0 8790887
Phase-1 RCT-181	1.0245229	_		_	-			4	0.7933010	0.7459104	A 76062084	Ľ	0.69338566
Phase-1 RCT-185	1.0961187	Ц		_		٦,	0.60410494	0.5918355			丄	1	1.1794572
Phase-1 RCT-179	1.4217837	4	_	_	4	4	1	1	1	1	L	L	1,151626
Phase-1 RCT-144	0.98928326	-	_		1.0921812	1.0300/33	┸	1	4	1	L	1.7262594	1.3872033
IkB-a	0.9655762	밐	1	7.228933	1.	┸	1.	1	┺	Ļ	1,0219359		1.6012229
Phase-1 RCT-225	1,236395	1.1933484	7 11154768		1	1	_	Ľ	1_	5 0.7986205	0.81744826	3 2.3689332	1.8346372
605 nausanea protein Lo (atentate done 1)					_	_			4 9440707	0 030624	1 0667461	2.8508553	1,182604
Beta-tubulin, class !	1.6603278	-		1.0500515	1.7913461	Ί.	ᆚ	2.5183637		Ľ	丄	L	L
Multidrug resistant protein-2	0.9125143	0.9161109	0 0.6826693	4 0.868339D	0.68266934 0.86833966 0.75583655	2.018425	2,12,14397	4			1]

Phase-1 RCT-49	0.87752265	0 9800085	13328769	1.0930429	1.3702456	1.5952138	1.9354672	1.9686404	0.855738	0.8570986	0.88131547	3,5507123	0.97755206
Calgranulin B3	1.0382159	0.9700677	1.1356136	_	0.94671565	1.1618257	1.8575667	1.4549432	1.0131752	0.9960768	0.9872913	1.5956331	1.3910927
NADP-dependent isocitrate dehydrogenase,	1.3431143	1.0978159	1,0356853	1.10727	_	0.81557596	0.660489	0.7521839	0.7662702	0.8016474	0.7944462	0.79974806	0.7978787
cytosolic		_							_	00000000	100000	100000000	1000001
Octamer binding protein 1	1.1481624	-	0.81445146	0.8771996	1.025341	_		-+-		0.83901966	0.78033135	0.00032333	1.0495004
Sodium/bile acid cotransporter	0.853996	1.1589404	0.4929411/	0.823326	1,1542131		0.61963344	1,985,600	20002200	0.04253334	1.13/3435	_	00000000
Phase-1 RCT-174	0.7804074	0.9746158	1.1426269	_	1.021726	_	1.0526043		1.02/2507	1,0334963	1.069151		4 079508
Phase-1 RCT-77	1.2023578	1.1479832			0.93866974	0.9/5485			0.20001020	0.861 1625	1,031,3930	0.97210704	0200000
Inositol polyphosphate mutukinase (iprik)4	1.4830521	1.042208	0.09900498	1 1850034	2 0005160	0.3333383	0.303336707 81424083 0.67050616	0.03031300	-	0.813247716	0 5820555	_	0 7697096
Carifornia altrahoma (this pooling conciling	0 8000810	-	0 7342230	1 0101307	-	_		0.49718195		0.79773856	1022712707	0.69023806	0.755101
nucleoside transporter	0.0000	2010		2						200			
CDK102	1.0632249	1,0899974	1,0144035	0.9684396	1.2064126	0.94932514	_	0.95936006	0.9048196	0.95943	0.96033764	0.70366734	1.0171188
Phase-1 RCT-209	0.7647952	0.9375618	1.1178647	0.9336447		0.940838	0.7136649	0.765191	1.0159422	1.0770056	1.1422387	_	0.83454865
NADH-cytochrome b5 reductase	1.1573391	1,1002581	0.8192898	0.8314309	0.925293	0.74879706	0.6924385	0.6322195	0.5570479	0.6376294	0.5334879	0.5435898	0.8681441
Dynamin-1 (D100)	0.845993	0.963396	1.1475768	0.9417752	1.1772211	0.7967314	0.5810335	0.7390643	0.9335519	0.83038735	0.79183814	0.68096924	0.7518817
Senescence marker protein-30	1.2688149	0.97245264	0.8535687		0.82618725	_	_	0.82992554	0.8079969	1.0894308	1.0861651	-	0.44338277
Phase-1 RCT-89	1.120274	1.0300634	0.6329765	1.1136876		_		0.68809766	0.7646036	0.81335163	0.8981553	_	0.768854
Camitine palmitoyl-CoA transferase	0.98035085	0.98262626	0.929016	0.8244926			0.4085522	0.5920589	1.1736177	1.4513568	1.2701486		0.99215716
Alpha-2-microglobulin	0.7485287	0.68762696	0.72522	L	_	_	0.16572005	0.2630523	0.8020555	1.3582715	0.75017357		0.72807225
Apolipoprotein Cili	1.1291071	0.89082303	1.0819147	-	0.81021965	0.6265475	0.5124873		0.8401556	0.82839155	0.8595325	_	0.92006516
Cathepsin L, sequence 2	1.1563909	1.2030499	0.6396752	1.1254956	0.8209748	1.8321318	2.8458443	_	0.86585873	0.9574473	1.2842411	1.1611915	1.8058684
Phase-1 RCT-141	0.955449	1.1784306	3.481505	-	1.703169	1,1956176	_	_	1,34149	1.1881922	1.2847116	1.5934819	1.4471833
Phase-1 RCT-289	1.2110971	1,0555129	0.68254817	-	0.9633701	0.8448507		_	0.70268714	0.6840134	0.68259513	0.62593955	0.758308
Endothelin-1	0.86344486	0.83953174	0.95199718	0.86451906		_	0.7714768	0.8688583	1.1214395	1.0978753	-	0.94111425	0.9395472
Phase-1 RCT-282	0.7360395	1.0138764	1.1533077		1.0025803	-	_	1.0440735	0.9742675	1.0/9393	0.944048	1.0197012	0.8446627
Phase-1 RCT-140	0.88317925	0.9918556	0.95196444	-	0.84786748	0.8796428	-	0.97469914	1.1465465	1.0820798	1.1447754	1.1104337	0.9693772
Cyclin D1	0.926138	1.541773	0.8559404	0,93668693	0.91471	1.8262318	-	1.93/6303	1.08/8484	1843/B	1.305/003	1.1033034	0.818884
Prese-1 RCI-28/	0.9777386	1,1116306	0.8516275	0.911/3/4	0.936694	0.8208504	4 04004449	0.9702192	4 0707467	0.0034343	4 4022070	+	0 00842848
Price-1 RC1-201	1 2147807	4 0771792	0.7420309		0.2617969	1 0256823	-	0 6403368	1 0074106	1 0549873	1 1076928	10	1.008996
ATO effect defend of proceedings accounts	CUCUCAG O	0.8428454	0 7132003	4 4969682	0.0352056	0.83607674	+-	0 80801034	1 1992908	1 1586262	0.8586378	0.52280504	0.8476757
translocation promoter (G/k)	7070700	2000		-		100000							
Phase-1 RCT-60	1.0279002	1.0281534	1.0861787	1.0493392	1,2613648	1,4761486	2.0228765	1.4118925		1.0161315	0.9095889	1.6719433	1.1363299
Pynvate kinase, muscle	1.2499297	1.1480552	1.0774521	1.0461551	1.4214342	1.6428086	2.2181032	2.1696822			0.7775644	3.186226	1.3090701
PAR Interacting protein		1.0018455	1.1052963	1.0979998	1.1271478	1.2514662	1.6109548	1.1780342		ч	0.95177287	1.8909643	1,2167732
Nucleoside diphosphate kinase beta Isoform	12285272	1.2170374	1.4073727	1,4542128	1,516178	1.902188	2.390527	1.9011159	1.0686402	1.0967051	1.1946473	1.2519243	1.1696349
Cold to	4 0377899	1 0283177	0 74057004	0 7230225	0 9012818	2 959048	4 2869616	3 3898818	1 5213019	1.3283073	1.3606365	2 9718585	1 122854
Insulfacility amount factor binding amount 1	0.9117708	0 92429423		0.7984562	1 2245544	1 4225075	1.6904492	1.6052614	1.1220509	0.8957977	1.1789569	4.683118	1.3476887
0-H-ras	1.1201024	1,0224457	_	0.8430361	1.1584285	1,2223715	1.3737329	1.2664496	12512568	1.2708756	1.3148922	1,3969246	1.0318757
N-hydroxy-2-acetylaminofluorene	0.9530183	1.2692161		1.0025032	0.7438684	_	0.37746814	_	0.73417765	0.79400456	0.7133854	0.6741163	0.5783891
Suituralisierase (31101)	4 4000000	4 0670798	4 2442400	1 2300474	4 0770780	CA3CA9.0	0 7555190	89008	0 74844535	1 0389058	1 08250H	0.400798	O GRESORS
Alaka 4 Sakikitaa III	1.1900903	1.00/2/00	1.3113102		1.07 70703		_		0 5728370	0.6374744	0 7406561	0.3595857	0.565803
Sterol carrier omdein 2	1 309826	1.0615128	0.9149987	٠.	1 2583473				0.67654717	0,816357	0.7490613	0.67799145	1.1216285
Organic anion transporter 3	0.91334987	1.4680489	0.7498769	0.75921434	0.921734	1.0507448	0.6834789		1.2942573	1,218386	1.2057085	0.8621656	1.0174079
Calgranulin B4	2,3258223	1.1197827		0.90950745	1.2023371	0.77291226		0.67943585	0.95748824	1.1108873	0.95479274	0.81701108	0.9647705
Phase-1 RCT-182	1.0449928	1.0348463	0.6793788	0.880818	0.6001697		0.5663141				0.9749695	0.519241	0.82190025
Calgranulin B8	1.2093371	0.9791808	0.5150322	0.7691277	0.60072106		0.78171664 0.66375228 0.77278525		_	이	0.65408456	0.45041862	0.93268794
Aldehyde dehydrogenase, microsomal	1.1775002	1.1683462	0.6866641	0.7849079	0.88464036	0.90715146					0.90897644	0.6933889	0.82541597
Phase-1 RCT-128	12491512	1.0042634	0.988/45		1.5306062	0.7009346		0.0565388		0.09023003	0.44466777	0.4121303	0.003020
Phase-1 RC1-102	1.322002	1.1973782	0.56225375	0.709641	0.5626305	0.4328123	0.29044.308	0.35022430	0.7279077	0.499/4046	0.44486722	0.878103	0.12443
Anotherentals All	1.01009/2	1 507773	1 8019375	4 429499	4 7399087			0 4272446	0.7739263	0.7664845	0.9771956	0.36821172	0.6245456
Phase-1 RCT-10	1 2956766	1 0892377	0.7759586	0.8814262	.1≂	-	+-	-	7.0	0.73415947	0.89734894	0.71284714	0.8512102
Phase-1 RCT-48	1.2530143	1.0121841	0.8351429	0.89582366	0.8486352	1.0240002	0.8904838	1.1131779	0.7116521	0.7486877	0.6821266	0.85704416	0.905743
Phase-1 RCT-8	1.1403376	1.0737125	0.85854167	0.6623455	-	0.63336307	0,49350047 0,44418344	0.44418344	0.7397683 0.89495647	0.89495647	0.9006621	0.58020117	0.9004371

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Phase-1 RCT-168	1.0982225	1.1304932	1,1725396	1.0275257	1.3379147	77827434	72128048	0.6865891	1.74746263	0.81622/5	1 0005672		0.9213848
	0.76935226	0.9494334	1.3276424	3.96452075	0.90356725	0.726/021	748042045	0 7648927	1 0903891	0 6317578	0.9031396	0.36549032	0.91808585
Beta-alanine synthase	1.0541976	1.0669826	1.0490077	0.9246523	1.8216412		0470606	0.7010321	4277204R	0.847689	0.5303079	0,18160814 0	0.32890764
Phase-1 RCT-296	1.5326462	1.1817225	0.5929669	0.6353468	0.6629982	0.801514		0.000000	4 4452407	4 840658B	+		0.21200363
Carbonic anhydrase III	1.1638929	1.0423691	_	0.5319681	0.7357204	_	0.14001133	0 770444	0 8217440	0 7856808	╌		0.8578391
Phase-1 RCT-291	1.2189777	1.0985883	_	0.85638365	0.8441956		0.74959449	0 8440458	0.8881813	0 9839816	0.98040857	ᆫ	1.2537147
Carbonic anhydrase III, sequence 2	0.920951	1,3402158	1.1584333	0.7155464	0.5553447	0.6252404		0.05934088	0.8055501	0.7172052	0.7872992	_	0.7308545
Phase-1 RCT-271	1.2564017	1.2406162	_		1.4595002			0 56363545	1,1216697	0.9954959	0.9201164	0,6214524	0,8401088
HMG-CoA synthase, mitochondrial	1.119982	0.89597344	-	0.340/4130	4 4000047	0.04040747		_	+	0.85667876	0.9018569	0.8520951	0.8551408
Phase-1 RCT-189	1.1095145	1.081937	0.7082522	1 1178788	0.896129	_	0.8328738		0.8211058	0.8252744	0.84874886	0.62081565	0.8348457
	1.052/013	0.0305128	1 0962267	1 2821177	٠.		-		0.48884594	0.5615355	0.56256294	-	0.4930837
2 predusor	0.0047	0.0000140	0.000000	0 0188710			_		0.59203005	0.746118	0.6769486		0.69131094
Paraoxonase 1	1.1294318	CC1909/870	0.0000370	0.0100710				_	0.47928378	0.5505199	0.62686058	ᇑ	0.42824608
Liver fatty acid blinding protein	1.0275881	0.8224365	0.6949303	90000000		_	+	_	0.5786846	0.6537188	0.7570005	0.37585095	0.59078834
Presentlin-1	1.3465599	0.8424526	0.008020	4 4 4 4 7 5 2 8	_		-	0.8069179	0.6005413	0.6170121	0,5720821	ᆜ	0.8159399
Phase-1 RCT-38	1.1581887	1.0893149	0.0014077	0.75457050	0 65.70BOE	0.81201413	103	0 71934247	-	0.73804176	0.67082584	0.4398497	0.880101
Phase-1 RCT-270	1.403988	0.9655659	0.7355086	0.73137000			-	0.56263655	_	0.7395544	0.7257287	0.30942386	0.7186482
Transthyretin	1.3673004	0.881384/3	0.6311000	_			_	-	0.38419172	0.50467736	0.38990936	1.0179372	0.6300731
Hepatic lipase	1.5903503	0.98035944	0.7948307	-		0.040408	٠.	-	0.8504981	0.86320144	1.0951163	0.6943131	0.8812543
Cytochrome P450 11A1	0.8023136	1.1522769	1,2460237	1.2621054	1.36/1305 U.BU 18460	0.9018488		_	0.86056864	0.948636	1.1262885	0.51846844	0.8655766
Phase-1 RCT-175	1.2391851	1.1901232	0.8045529	0.61/6693	4 5562500	0.74272748	+-	_	1.1237067	0.80458316	0.9733849	0.51411736	0.75181913
Phase-1 RCT-117	0.7727978	0.99342006	1.2419945	1.0033422	1 0444130	0 7955336		0.8133885	0.59694328	0.6191209	0.65116878	0.69890296	0.90859336
Phase-1 RCT-137	1.5328485	1.2/14103	0.04710970	0.0000000		1 8410487	2 1732683	1.6214827	0.9739546	1.0057329	1,2318835	2.0621252	1.4337863
Melanoma-associated antigen ME491	0.7888351	0.9487007	0.90924430	0.9359535	1 2856386	1 5911512	2.0895646	1.9405565	1.3455998	1.1222386	1.2873701	1.9253509	1.1359744
Phase-1 RCT-12	0.9954492	0.84526950	117016077	4 9250047	4 EE76008	4 7688012	2 2064083	1,7363951	0,83053005	0.8178273	0.86744034	1.7552665	1.6590614
Phase-1 RCT-152	1.1325012	1.1412129	1.1409744	0 0007308	1 0473813	1 6601833	1.9235764	1.7558154	1,509641	1.5396113	1.8436518	1.1644213	1.3859208
14-3-3 zeta	1.1461640	4 4005004	0.45444803	0.8280049	0 5037478	0.66955054	0.5320421	0.7921318	0.73647386	0.61593544	0.71144366	0.7604188	0.6343869
Cytochrome P450 2C23	1,5966237	1.1033864	1 1257787	1 1251417		1.511794	1.9423338	1.5794472	1.1439148	1.1804931	1.2091378	1.7048194	1.5465922
Voltage-dependent anion channel 2 (vdacz)	C177004.1	1.1130/31	707	2								000000	4 4407470
100	A 043807A	4 0015068	1 2774769	1.0318981	1,025087	1.7960582	2.0882967	1.4901533	1.0600232	1.0306317	1.1097126	2.1353882	1.413/1/3
Phase-1 RCI-134	1 04525	1 1474055	上	1.3737698	1.2037665	2,0185843	2.8676095	2.311271	1,1438038	1.0886627	1.214644	2.95485/4	1,010013
Superdiction districted with	0.7356411	1.0009671	0.8956041	0.83408993	1.0036646	1.7368491	2,5379696	2.10114	1.1224029	1.085955	1.0484827	0.03026589	1 0485534
Dhan 1 DCT 408	1 0797879	1.0669286	1.2242678	0.9263531	0.89654793	1.505811	1.7807065	1.336197	1.0541176	1.0710567	1,050,053	2 1011578	1 1579857
PIRISH ACT 180	0 98661065	0.9710991	1.827208	1.1988646	1.1512	2.0753772	3.015346	2.5912278	2.8839307	2.176605	4.050054	1 6499634	1 0407454
Cyclin G		0.9579373	1.2400135	1.0683839	1.1412454	1.6527618	1.9931865	1.6307707	1.0432892	1.0657482	1.050954	1.5100321	4 9794847
Carginal Do	1,5228194	0,94331497	0.8390218	0.85483545	0.9701474	1,2743765	1.6323931	1.2273897	0.9981423	0.9538476	0.8721052	4 6378280	4 2001863
P55 1 PCT.2015	0.9525448	1,002539	1.2277259	1.3401694	1.0983773	1.2626331	1.7128332	1,2395712	0.8433939	0.83383880	4 2070007	4 5560800	1 0758537
Dhaca 1 RCT-68	0.876555	0.9694255	1.1183589	1.113307	1.0495281	1.2813715	1.6150508	1.334318	1269/12.	1,1000034	1 6563847	1 3823506	0 74341977
Caspase 3	0.79958345	0.85886336	1.1723602	1.074682	1.2506021	1,2333112	0.835//	1.0406490	4 4204769	0 000000	1 2405869	1 4845143	0.9399849
Alcha-tubulin	1.8731143	1.1238756	1,2289757	1.2157736	1.6149502	1.6296145	2.339932	1.707.01	4 0842388	0.8486543	1 1048334	2.8061671	1.8013763
Ribosomal protein L13A	1.0961248	0.95070094	4	1.0965607	1.209073	1.4623507	7 452889	705555	0 9268111	0.9124182	0.93377703	4.9149375	1.675745
1gE binding protein	0.7832122	1.0193554	1.5480868	1,7091323	1.523/202	4 2240073	4 6532203	1 2589144	1 1335663	1.1751024	1,1050538	1.3694326	1.2972132
Phase-1 RCT-39	1.1731839		0.8664179	1.096/039	1.0310/33	1.3218013	1 7304277	1 3533752	0.84059036	上	0.95663655	1.7787225	1 2029405
Cofflin	1.1256176	1.001616	1.0727026	1.1730342	1 2044899	1 3645837	1.3536984	1,4587083	0.82734084		0.79337794	2.7152383	1.1371093
Heme oxygenase	0.7223070	١٥	1 1733422	1 051228	1.0670377	1.1818763	1.7323387	1,208828	0.8534594	1.0059595	0,9790716	1.2909565	1.1504853
Phase-1 KCI-241	4 7400263	┸	1 096857	0.8357224	10	12346561	1.9368812	1.6728492	0.9680114	_	1,0761544	1.8109064	00/07/11
Kibosomai protein 39	1 0018185	٥	1.2037048	1.0627469	0.9989098	1.1403744	1,4555807	1.2219895	0.98076093	믜	0.98033535	1.6582548	1.3402030
Aminimomoninate luses	1.6798581	-	0.80629855	0.7175926	0.8192643	1,3301924	1.3644207	1.65502	0.9036452	1.0233389	1,0559356	1,84 149 12	1 4008307
Obsest DCT-180	1 7705806	1,0236853	0.8059568	0.82507217	0.9902005	1.1033005	1.3904638	1,1378132	0.93139505	1,0920203	2077700	40 605147	1 876597
Multidaio resistant protein-1	0.9309531	۲	1	0.77533877	0.68169296	1,7051295	2,147129	2.101333	1.7230243	1,5513285	1 8036803	1 5185441	1 5541869
Omithine decarboxylase	1.4534361	1.0427198	1.0727961	0.9122623	1.009704	1.2287626	1.5142168	1.4534425	1.7512414	0.001210.00	1 0060594	2 6290218	1.5133142
Thomosin beta-10	1,2378267		1.3059582	0.9985989	1,6459284	1.4730594	1.8655379	1.66323/9	1.0204033	0.004333000	0.85511506	1 7905409	1.0706571
Phase-1 RCT-72	0.74562967	0.9563429	1.2187343	1,2369455	1.0925539	1,4337312	1.8212460	1.000/2010	0.900200	0 828809	1 0014424	2.4274035	1.5175177
Phase-1 RCT-109	1.1634601	1.0631162	1.6612374	1.5067303	2,16972	1.4029838	1,5362550	0.0474431	1.1309344	0,9966123	1214753	0.98535085	0.675215
Phase-1 RCT-76	1.041223	0.887687	3 0.7947043	1.0211802	7.00530070	4 0505028	1.8378757	1 0371903	0.8398437	0.93321157	0.9041775	1.0589337	0.9271189
Vacuole membrane protein 1	1.029773	1.014135	1.120903	0.6733317	U.BOOML	1,000000	***********						

												1000000.	200000
201 200 7	0.75747097	0 9241449	0.9241449 1.31092881	1.0876535	1.0529094	0.8715081 0.95771146	3.95771146	- 1	1.0828925	1,0685041	1.05/8256	_1_	0030070
Friase-1 RCI-130	100000	00 00 1000T	4 2424372	4 104AAAA	1 1951654	0.9422107	1,0833543 0,92538774	0.92538774	1.1817627	1,202199	1.20021	00100707	0.00000
Phase-1 RCT-113	1 2908863	0.84354585	1 2008863 0 84354585 0.57319105 0.83283415	0.83263415	0.7410591	1 .	2.199482	2.199482 1.8691419	1.5978316	1.1344993	1.4405288	1.1083918	1.911832
Endogenous reudylical sequellica, 3 and 3								00000	0.0455743	1 0705377	1 975018	1 9930058	2.1504136
Bata actin	1.5665321	0.4525807	0.4525807 0.63355064	1.0248864	0.8814244	_	1.8152386	1.82835/2	4 4450207	1 5501701	1 6128478	1.1251483	1.1012527
Phase-1 RCT-65	1.0828404	1	0.7236786	0.9002927	0.7596491		1.3844131	1.4392/32	17022458	1 6600424	1 8589104	2.2901735	1,4267757
MHC class antioen RT1.A1(f) alpha-chain	1.0154325		0.79532284	1.119348	0.7831662	- 1	1.9632896	1 680375	1 4134742	1 2759356	1.3882053	1,384388	0.927784
Bax (alpha)	1.1650804		0.97522753 0.78715646 0.88345185	0.88345185	0.8658935	1.1555653	1.7210331	1 4042662	1 125839	1.1323282	1.118233	1.6894638	1.4748449
Carbonyl reductase	1.1185915	1.053322		0.6986458	0.7672382	1,3232/10	1.0111182	4 5080120	1 1906937	1.118441	1,0889027	2.0851264	1.5415386
Beta-actin, sequence 2	1.3000388	1.3000388 0.87213624	1.5988495	1.666786	2.101/482	1,3311931	0.0467267	4 5350738	1 1208007	1 1789944	1,1818844	1.209474	1,2301706
Interleukin-10	1.023946	1.023946 1.0228221		0.67887174	0.777730	1.0/30/00	1 285228	1.9083432	1.1062262	1.1899693	1.1308348		1.2912173
Phase-1 RCT-191	1.1333405	- t	0.9112554	0.9112504 0.94183333	0.8300267	0.076444	4 4492870	0 9879181	1 1690218	1.0772948	1.1148618	0.98821086	0.7990444
Phase-1 RCT-111	1.0679442			0.935-355-0	1.0781403		0 8708304 0 76673836	0 76673836	0.6631736 0.71577173	0.71577173	0.6598197	0.5442459 0.83845844	0.83845844
Apoptosis-regulating basic protein	1.066432	_1		0.962/1/9 0.62/13094	0.20000.1	0.0000000	780774047	8657288 0.40001210 0.5074047 0.72073424 0.48317074 0.48957288	0.49317074	0.48957288	0.5703267	0.32841995 0.53767204	0.53767204
Giutathione peroxidase	1.1269922			0.3862463 0.65868473	U.Bouroos	0.78300323	0.45468637	U.boubbos U./BS00525 U.002/4051 U.1257744 1 1297388	1 1297386	1 073292	0.9630342	0.65174997 0.82122004	0.82122004
Phase-1 RCT-239	0.770281	0.9328992	- 1		0.9455234	0.01209313	0.9000678	0.01209313 U-4340927 U-0051414 U-005141497	0 83778584		1.0857447	0.8840176 0.89408255	0.89408255
Phase-1 RCT-67	0.792597	<u> </u>		- 1	1,003/042	1.063/042 0.0401230 0.0030012	0.0000000	-	0 79092294	0.8803204	0.79954815	0.5802238	1.0404975
Tryptophan hydroxylase	1.0661994		1	1.1812866	1.22430/3	1.22496/3 U.89469138 U.8124924/ D.75227578	0.61240207		11121148	1.0546321	96098020	0.78323424 0.68688667	0.68688867
Sulfotransferase K2	0.9054714		_ [0.531617 0.78853846	0.8096202	0.000000	0.03420334	0 0642313	0 791384	0 791384 0 77392834	0.7518116	0.906812	0.906812 0.9095045
Calorandin B9	0,8443567			-1	0.69363/60	0.8333334	0.0200190	0 00000751 0 07156658	0.07156658	C 98948ft3	1 0204797	1,4745797	0.8578985
Phase-1 RCT-123	0.8202166			- 1	1.1165439 0.9683829	0.91/6123 0.8/264633	0.87264833	0.6530(3)	0.92847778	0 95798904	0.98197335	0.8344212	0.8344212 0.74557084
Phase-1 RCT-88	0.81079876	┙	┚	_	0.9441257	0.944120/ 0.82503104	0.707.00	0.707223 0.7899818 0.86519146	0 86519146	0.969038	0.97989714	0.8683586 0.82045597	0.82045597
Aquaporin-3 (AQP3)	0.80944425	_[_	1.0832825		0.08/3002	4 4607037	0.0003265 0.15680674	0 15680674	0.1288412	0.1288412 0.050787628	0.1729246	0.1729246 0.17397204
Steary-CoA desaturase, liver	3,3199296		_	- 1		4.8568034 0.45543855	1.400/03/	0.00202000	0.8849797	0 9431895	0.8448669	0.42719817	0.7748035
Phase-1 RCT-64	1.1631393	1.0693436	0.96515226	1.0249578	1.2659922	0.9037228	0,854183	0.804163 0.80044404	0.0000				
													İ
(1) Gene expression data for 24 hour		_											-
timepoint are presented as mean ratio of		_											_
treatment/control for all 24 hour predictive													
genes (Table 5).													
(2) Compound and dose abbreviations as in													
lable 1.													
(3) Individual animal number													
(4) Liver inflammation classification for													
compound-dose group at 72 h: yes-nect,													
necrosis observed; yes-both, necrosis with	_										-		
inflammation observed, no, no insupplemently observed	*												
(5) Predictive gene (as in Table 5 and as		_											
included in Table 28)			-										

Table 29. Expression Data for 24 Hour													
			_	7	T	Т	8 00 170	CHI OR 30	CHI OR 30	CIS 2.5	CIS 2.5	CLO 75	CLO 75
9		욁	U	CHCL3 500	CHLORS	CHLORS	19	3	56	첧	328	324	325
Animal Number (3) Liver Toxicity Inflammation Classification (4)	16.25 10	70 2334		DE CONTRACTOR	_		_	8	2	e.	2	02	9
21 14 15												, 000000	7700000
Commo polito establishmic	4.828458	1.6725786	3,1347418	2.8372368	1.0166708	Ш	1.1692146	1,4031113	1.029407		0.8336789	_	4 025681
Phase-1 RCT-145	1,9688524	1.2414786	1.8897154	2.0073514	1.0311143	1.0466523	1.2440423	1.1851947	1.133608	1.03/0014	1 2180006	+-	0.76168764
Gardas	1.6548092	1.0283352	1.6095598	2.0979147	0.8886619	0.90123826	0.72409606	0,3023073	4 2077503	1	4 075748		1.0873108
RCT-78	0.72442687	0.956264	0.8040589	0.7710564	1.0628641	1	4 9036420	1.0011505	2 3850377		13331988	1.1950943	1,3758305
Fas antigen	1.1577528		2.1496255	1.1930344	1.658896	_	1.0055904	1 5010212	1 0074661	1 5734266	1.2599277	1.0764753	0.9052038
Macrophage Inflammatory protein-2 alpha	2.8965595	- 1	2.010488	2.9682014	1.0882816	┸	4 4746706	1 6488527	2 685007	Ľ	0.9422278	1.1434082	1.1484933
Integrin beta1	2.2970977	- 1	1.9414345	2.4/3//3/	1.7003431	0.0070184	4 117147	1 1248684	1.0781369		1.0987779	1.0974342	1,211136
Phase-1 RCT-207	2.3826344		2.2590778	2.4030093 4 4046340	ľ	4-	ō	1.0302753	1.1152837	0.6151757	1.2079322	0.9227272	-
Aspartate aminotransferase, mitochondrial	4 620000	0.8756946	0.9673176	1 104229	L	┸		1.0917026	1,2045925	1.4945416	0.9690299		0.9056321
Casein-alpha	1.038800	_	┸	0.8201949	0	╙		0.795842	Ц				0.49870244
Malic enzyme		4 4053045	4-	0.7959765		<u> </u>	0.9833101	0,5186566				_	0.88093793
Phase-1 RCI-30	0.21010.0	٩	1 0978612	L	ــــــــــــــــــــــــــــــــــــــ	0.72370225	0.8859861	1.3491399		_	_	1.0963955	0.5614829
Hepatocyte grown racon receptor	1 0850257		L	L	12	_	0.93445826	1.3151636		_	7	1.04922/4	1,0400414
MAP Kinase Kinase	1 2307994	٦	٢	L	0.7971151	0.40974495	_	0.3312623	익	_	1	0.5109/53	0,007120
Descriptions of an arrangement	0.9950372	┸	<u> </u>	L	Ш	ĭ	o	1.0845821		0.43478703	1	1	1 0868558
Charact Borr 50	1 5215645	L	1.4064637	2.2822712			_	1.1130536	_	_	\perp	1.1114505	1 1848744
Dhoest DCT-492	1.7472245	Ļ.	١.		=			1.2017347	4		1.3023027	0.08475815	O GZAZRRAKA
Phase-1 RCT-288	0.4452559	L	Ľ		4			1.2750105	1.0913/33	4 4340343	_ _	1 073987	10692281
Phase-1 RCT-37	1,8210925	1.3302857	1,441814				1.1988237	1.22065/1	1	1	L	Ľ	1 2236319
Organic cation transporter 3	1,9419141	_				0.85923577	0.67403423	`	ľ	1.	L	1	1.175986
60S ribosomal protein L6	2,4068107	Ц	_			-1	1	0.03201036	ᅩ	1	L	0.91796994	0.93785775
Zinc finger protein	2.2721379	\perp	2,5965796	3.403773	ᆚ		1044119	1.0288779	Ъ.	Ц	1.0180609		0.97262394
Calgrandin B2	0.79117286	4 2042308	1	ľ	+	ь.	Ľ	<u> </u>	_	1.1930537			1.3260568
0-1	2.3010100	1,	٩	L	┸	L	1	ш	П	2		_1	0.7500759
Phase-1 RCT-92	1 407808	_	1	4	L	١.	_	1.1463454	Ц		┙		0.8548051
Phase-1 RCI-115	0.40199238		ľ	L	L	L	1,5319067	1.3876157		익		4	1.015/148
Marin FAS	1 165122		١.,	L	L	1 0.6128738			1		\perp	1.0200714	0.9523865
Obsect RCT-79	1,2374657		L	ಿ		Ц	_	۲.	_	4	1.0711107	4.	0 986546
Sorbitol dehydrogenase	1.3523139		Ц	Ц		1	_	1.1805844	4 4 3 2 6 6 0 0	0 0 06501734	1	┸	1 2525018
Phase-1 RCT-24	1.9725536	ш	٦	_	7	4	1.53044/6	1.	9		4	1	1.1897835
Calgranulin B1	1,633775	_	1	┵	ᆚ	1.052/010	4-	Ľ	1_	\mathbf{r}	ㅗ	0.8932042	0.86905926
Elongation factor-1 alpha	1.7153046	1.3815624	1	1.2004880	1.3909003	4.	1	1.	Ļ	4 0.6216647	L	Ц	0.70574707
L-gulono-gamma-lactone oxidase	0.257890	3.2578902 0.36341.2US	20741426	1.	1		╄-	1	L	9	5 0.70147	4	0.8823876
Phase-1 RCT-33	0.0847036		L	ㅗ		L.	Ľ	1.3955567	Ц		_	_1	0.85212404
unio	0.5211320		ľ	L	L	3 0.86068335	5 0.89500433	0.7730835	5 0.8623375	õ	_	4	0.757655
Phase-1 RCI-233	0.310023	1	L	Ľ	L	2 1.0967163	3 1.0812649	9	_	4	٦	1.0184898	4 0462370
PRIZEP I RCT-20		_	L	L	1,2192566	Ш		_	4	1	4	1.0386639 0.93632443	1.0405370 1.0405028
Disco 4 OCT 484	0.7274394	┺	7 0.98358756	6 0.8832993	3 1.0045929	1.0409751	╛	4	4	-	1	L	0 7958791
Phase-1 RCT-185	0.56840247	7 0.639492	7 0.4921462	١	_	4	٩	_	4	0 038//3300	5 0 02516625	4-	1.0110725
Phase-1 RCT-179	2,0811687	7 1,3716091			_	#			0.001/3/5	_	1	+	0.8121525
Phase-1 RCT-144	1.4679184	4 1.0791944		\perp	3 0.7559324	익	5 0.97571945	٧.	4	-	1	_	1,0312173
(kB-a	1.857623				4	4	1.1320232	2000001 2	1	4	1	┺	1.1730175
Phase-1 RCT-225	4	_	0.537821	1.5661315	3 1 0683833	1.1004508	ľ	丄	_	1	L	4 0.99725366	1.045468
60S ribosomal protein L6 (alternate clone 1)	2.2028622	7 1.6086922			200000			1				- I	0.0070000
Betshihilin dass l	1.6753527	-	Ш	Ш	1,4674935 0.78925525	1 1	ш	٩	2 0.8536087	1.3677133	1 630345	- 1	1.1848013 0.867,266003
Multidrug resistant protein-2	4.252751	1 2.902582	2 2 4494357	_	1,58612/	61 1.1946652	2 1.2312013	1,109/30	1	_		1	

				0440100	0.007007007	1 041376	0 0428289	0.9833307	1.0567831	1.0938528		민	0.95195925
Phase-1 RCT-49	2.171106	1.2598095	1.7201010	_	1 4765493	1 0487964	ட	1,2339238	1.1430113	1,2300916	1.154293	_	1.1325656
Calgrandin B3	1.9398804	1.2854518	1.8301220	0 53778785	1 0906731	-	1	0.91455543	0.94477904	1.0605822	1.5760498	0.9050616	1.0377096
NADP-dependent isocitrate dehydrogenase,	0.5407414	0.7419004	0.04320033	2000					_			4	4 0000475
	30720000	0 05000515	0 74900126	0 87931305	1.1910449	1,0705073				0.91740996		4	1.029173
	0.90007420		A 8308384	٠.	0.31014293	0.5668975	0.3329743	0.35603064	_	0.78851163	_	-	0.010000
Sodium/bile acid colransporter	0.8446514	4 2003573	0.9837251	-	0.7649	_	_	0.63710165 0.69252044	0.69252044	1.1696615		0.844593/ 0	0.0724838
	0.000010	1	0 7696387	0.67948127	0.5551181			0.54806805	0.5657731	0/65666.0	1.402003	T,	0 76072485
Т	0.5401573	10	0.4857754	0.5135371	1.1576368	1,221213	1.9757322	1.5182499	1.3116298	0.5611396		_	0 9915163
FAIR THAIRM ASS UMINA	0.9020282	0.6855492	0.38030937	0.30344102	1,7338086	1.9600948	1.5241872	1.4908304	1,5264934	40,000	0.7047404	4.	0 9535281
Fruilbertive nimbenzy/thiologsing-sensitive	0.55851847	1-	0.30207005	0.22751956	0.48801377	0.6103079	0.5556062	0.4252173	0.39977416	0.6200043	0.8040797	-	
						02.30077	4 4 2000 747	4 0374338	1 2301304	0.8376017	0.8640477	1.1295463	1,2543888
	0.74193525	0.92906916	0.7193355	0.6016049	12135341	1.11893/6	0.000747	9434846	0 8798121	13150768	-	0.90994908	0.9927824
RCT-209	0.74099666	0.84431463	1.0081911	0.8197826	1.1902745	0.9509534	0.3433530	0 7796769	0.80533093	1.0179839	0.9892921	0.7635927	0.7030792
b5 reductase	0.63538766	0.66980155	ı	0.37736784 0.70002043	4 2720485	4 0785752	4 A785757 A 98381015	0.8106828	0.7902838	1,1144723	0.84852153	1.0052273	1.0230585
	0.8401772 0.9444392	0.9444392	- 1	0.78950316	0.03830686	0 776018		0.55802315	0.55802315 0.39178944	0.570138		_	1.0504204
	0.28571764	0.17731023	֓֟֝֟֓֓֟֟֟֓֓֓֓֓֟֟	0.0000000	0.000000			0.7726268	0.6823449	0.58293074		-	0.90516204
	0.4762353	0.8087208	0.552439	0.4406510	0.0477364	0 7108144	0,89581895	0,9197887	0.99209064		1.0018452	1.030472	1,3151857
Camitine palmitoyl-CoA transferase	0.89938945	0.6222120	1	0 3474565	_	0.44271663	0.70958406	0.56946206	0.53348154	익	0.5470662	1.7903794	1.2/89463
	0.54802805	0.45449/22	1	0000000		0 68594104	0.7565933	0.8916003	0.78410363		1.1187668	1.1189816	1,12008
Apolipoprotein Cill	0.7942623	킨	9 530408	2 7840476	1 4868618	0.974179	0.97725224	0,91474193			1.2141223	1.0773492	20000
Cathepsin L, sequence 2	5.1170006	4	4.0499495	2 2563680	1 2627317	1 1784948	1.0544218	1.8178947	1.2104533		4.048463	1.236011	1,5228633
Phase-1 RCT-141	1.2939893	•	245533123	0.0504982	-	0 81249917	-	0.56072176		ē	0.79201216	0.9074307	1.0459032
Phase-1 RCT-289	0.6344774		0.700010	4 0044664		1 2644745	1.438778	1.2888235	1.2571071	2010094	1,1393813	1.117821	1.1333.26
Endothelin-1	0.99322045		2.4000/33	2 200 00 0	350954000	O 8298612	0 90084237	0.7660189	0.8487733	1.0564972	1.0583316		0.8330466
Phase-1 RCT-282	1.058833		0.9718093	4 9447040		1 0938681	1.1299424	1,3589631	1.1460073	1.2696506	1.0527865	_	0.94934726
Phase-1 RCT-140	1.231879		77004072	808035800		1355942	0.82294965	0.5531554	1.0112543	0.5751116	0.6859558	0.9282849	0.8780679
Cyclin D1	1.3749746		0.87361047	0.0000000		1 2014189	1.0034949	1,360811	1.3302015		1.4010142	1.0670789	1,0098993
Phase-1 RCT-287	0.70109403	4	0.7063933	1 1790049	0 2918182	0 65483993	0.7312329	0.6962252	-	0.9947918	0.9102104	0.8851585	0.81531936
Phase-1 RCT-281	1.0016257	0.945/663	1.0002927	6	┸	0.55005884	0.6411443	0.5906469	0.85053927	0.6996275	1.1360341	0.854132	1,0154434
Retinal-binding protein (RBP)	0.77490944	1,05/812	0.80000000	1	1	0.7846843	0.7533017	0.5838644	0.5701556	0.6376737	0.95063984	0.9297493	1.1/40482
ATP-stimulated glucocorticoid-receptor	0.44908816		0.46/34(30	0.42.0000					_		0,5000	0.0000000	0.04540507
translocation promoter (Gyk)		4 0004079	4 2554405	1 4799381	0.8660577	0.80383855	0.8874514	0.8481272	_	0.7377868 0.95238376	1.0085512	27909050	4 0454000
Phase-1 RCT-60	1.513/8//	4	┸	1	┸	1.0498942	L	1.112782		1.8185265	0.7661569	1.1544617	1,5451802
Pyruvate kinase, muscle	2.158049	4	1	L	6	0.9826228	1.0083088	1.0598166		의	1,023355	1.049854	1.036/0/4
PAR interacting protein		1	1.3027.343			0.91812164	0	1.3606321	1.1420627	1.1557537	1,6733311	1.0044122	1.0485655
Nucleoside diphosphate kinase beta isoform.	1.10010.1 .	,וצווצו								_	丄	2010190	4 8780444
	4 E015423	1 2885892	3.0361364	2,9541683	1.7389616	1		1.3025993	_		0.94115515	4 4794020	1 6323174
Gadd153	2 922253	L	L	L		1,6031494	4	_	_	4 2000000	0.500000	1 1742551	10280901
Institutive grown raced untains process	0 9768938		_	1.0117741	_		-+	_	Ц.	_	0 708862	0.7561622	1.0482459
M. Fuderat 2 acet/deminoflucture	0.30853784	ľ	0.13114235	0.115727775	0.50777173	0.5331641	0.47785357	0.4031889	0.41433/0	_			
suffirmeferace (ST1C1)	:			1		_1		0 8400385	A 840059R	1 1429659	1.380334	0.8380112	0.8629958
Phase-1 RCT-52	0.4295589	_	7		_	٦_	1.0030132	\perp	1-	╄-	Ľ	0.7224569	0.62072206
Aloha 1 - Inhibitor III	0.29844388	_	ᅪ	4		4 2000536	┸		'_	۲	0.94274145	0.9616438	0.9547945
Sterol carrier protein 2	0.6291517	_	٦	_	1.2831000		ľ	_	I.,	7 0.5749831	0.69597006	Ц	1.1464902
Organic anion transporter 3	0.96936953		_	_	┸	1	1	_		5 0.88430965		_	0.8448431
Caldranulin B4	0.69133558	1	7	1	L	-		1	-	_	1.2042272	0.7678316	0.7665625
Phase-1 RCT-182	0.6963694		- 1	1	┸	_	┸			L	_		0.6771312
Calgrandin B8	0.6126511	1 0.9300699	8	0.7457458	1.24/6/53		1	+	L	_		j	1.02848
Aldehyde dehydrogenase, microsomal	0.5615353		0.70407004	1.	L	上	↓	ı۲	3 0.8784695	_	_	_	1.0063609
Phase-1 RCT-128	0.3023430	0 0.84000454	1	Ľ	0	_	_	0.5806189		_	7	-	0.778224
Phase-1 RCT-102	0.7423502	4	1	┸	4		⊆	_	5 0.76762086	_	4	1	0.110221
Preproalburin, sequence 2	0.47577742	7 0 45201012	┸	┸	1		1.150993	0.92676437	4		٦.	1,5763569	0.00000
Apolipoprotein All	0.411300	S 0 8403671	L	1-	1_	_	3 0.9566498	_	-		4		1 0195045
Phase-1 KC1-10	0.777138	23 0.794155	L	L.	L				\Box	6 0.7353255	4 4433377		0.8195931
Phase-1 KC 1-40	0.5460742	ㅗ	L	5 0.61659616	6 0.7436875	0.81092745	5 0.9416844	0.82108206	61 0.732091	-1	1	_	
Phase i Rui-o		l											

													0.00
Dhaca-1 RCT-168	0.6214957	3.85984373	0.6615893	0.5881366	0.9644471	1.1974081 0	.97638535	1.0983257	1.1990459	0.7025182	0.8263185	9761/006	0.9521729
	764174	Ц	0.77100515	0.7260993	1.1475767	0.9766096	1.340ZZ03	_	1.38/3/80	0.5467455	0 97559595	1	0.98263425
thase	0.49489406	0.59309256	0.48302894	0.54631907	4	1.6164509	1.328409	at,	0.30013014	4 0405244	0.97804534	A 88450927	0.8070795
	0.19991978	0.30217784	0.22438249	0.14706162	60239	1.3135695	1.0867846		1.2717330	1.0100000	_	بإ	1 5381652
III es	3007272	0.14827509	0.12439891	_	1,3109862	1.1384124 0	0.86818117	=1:		0.2003000	4 245876B	0.8452837	0 7824245
	0.5817197	0.8611236	0.562176	0.55561783		1.1661826	1.0382669	0.83264290		4 0005007	4	١.,	0 7340287
te III, sequence 2	0.42348588	1.2046717	0.7284644	-	-	0.82773167	-	0.93619287	1.1556429	ABCCBOCO C	-	١.,	0.8656503
	0.6158222	0.6476788	0.713518	0.8503229	0.977524	1.153234	0.916/8160	900000	4 2057487	2 5000440	1 070816	12	0.7757572
	0.46878073	0.7501668	0.5729626	0.45472336	1.4938351	1.7397224	1.1926126	1,109/90		0 7877070A	1 079618	0.8814318	0.9514846
	0.65693337	0.8185097	0.7883271	0.866738	1.0774376	1,6031/8	0.000000	121307		0 73441854	1 2431074	ᆫ	0.8540801
Phase-1 RCT-40	0.6589597	0.7368508	0.5661494	0.4601151	0.8339702	1.0040150	+	0 51428366		0.48215374	0.8605969	0.7523483	1.0689827
Urinary protein 2 precursor	0.2747284	0.4126689	0.33035567	-	1	_	ŧΞ	0.48152712		0.5328357	0.9353516	0.6499275	0.8274352
Paraoxonase 1	0.40398002	0.5798943	0.44739625			-			-	0.89539677	0.92011094	1.6357622	1.4576445
Liver fatty acid binding protein	0.21266189	0.29882622	0.24823976	N e	-	-	-	-		0.5849707	0.8958933	-	0,60694575
Presentin-1	0.29833418	0.6240938	0.38583082	0.4100337	4 4207700	-		1 2376789	1.240316	0.4940798	0.67735785	1.0868759	1,0166274
Phase-1 RCT-38	0.41291872	0.65618504	0.4911/60/	0.32033344	┸	1 2404761	1 0791998	0.8868678	0.93529415	0.7815947	1.2509441	0.87746878	0.8479528
Phase-1 RCT-270	0.5247004	0.8133929	0.51454175	0.43033300	-	7 24038004	0 383 10373		0.31117392	0.5801787	0.6198754	0.6747036	0.6038043
Transthyretin	0.4016867	0.45656165	0.36814842	0.30930302	-	4-	0 5628388	_	-	0.47405288	0.7814818	0.7741466	0.7656857
Hepatic lipase	0.7065453	0.46004468	0.48247787	_	4	-	+-	_		1.1285692	0,98105454	1.1191329	0.9268945
Cytochrome P450 11A1	0.7659088	0.92924464	0.8307279	-	- [_	+-	-	0.85747904	0.9553227	0.9303832	_	0.94875324
Phase-1 RCT-175	0.8635782	0.8822185	0.95031/14	0.5381807	+	4 070409	4 92 100 A		0.081409	0.7629294	1.032305	12716464	1.0508528
Phase-1 RCT-117	0.4725038	0.6205995	0.49541178		1,93812/3	1.0/0163	0.476659	87770070	+	0 74740785	1.0283815	0.7523394	0.82139415
Phase-1 RCT-137	0.6672357	0.93248135	0.8153182	0.78724146	0.45532373	1.0200022	0.0057604	_	+-	0 9698131	1 013202	1=	1.6206717
Melanoma-associated antigen ME491	1.3791602	1.1710053	1.2296801	1.4669724	0.986367	1.0730835	4.0470000	1.0013020	0.0468597	1 2084297	0.7116929	1 1672189	0.9478773
Phase-1 RCT-12	1.2756582	1.0106765	1.5688204	1.318987	-	1.0238414	1.01/9366	1.0700034	0.3400347	7406445	1 1884348	0.9144024	0.9934285
Phase-1 RCT-162	2.091083	1.2810138	1.3486449	1.5629497	1.0711147	0.94134474	0.73/3906	0.80220013	4 2004 200	7888770	0 00747404	4 2443873	1 220523
14-3-3 zeta	1,8416331	1212394	2.0705886	1.3541808	1.3820266	_	-	1.54/5848	1.3001200	0.346,00007	O SECRECA	0 04077227	0 8271142
Cytochroma P450 2C23	0.4660759	0.57598125	0.32476248	0.30310202	0.71391326	0.80007255	0.67533433	0.49869550	0.632/3/0	0.70012403	0.00000000	1 197226	1 1030573
Voltage-dependent anion channel 2 (Vdac2)	1.6781572	1.1982428	1,3465966	1.0343394	1,5046062	12954656	1.3453301	1.2785527	1.0040001	0.703	200		
					_	0100000	4 2045265	4 4662298	1 1059346	0 9980799	1,0005022	0.956867	0.99939656
Phase-1 RCT-154	1.7245204	1.3795067	1.5410916	1,662294	-	0.9603670	1,051,351	4 4476524	4 E047430	1 094141	0.88496363	1.5747628	1.5586021
Superoxide dismutase Mn	1.5104393	1.8049261	1.5720065	1.85//825	1.3440500	1.120200	4704070	1 1120100	4 4 4 8 2 3 4 2	1 GRTRS48	1 7297822	1.1620953	1.0162963
c-myc	1.7830541	1.298595	2.1622064	3.6/9865	_	_	200706	0 E4848748	0 59351545	1 0011916	0.9853811	1.3046382	1.1127079
Phase-1 RCT-196	1.402073	1.0802692	1.3466215	1.5347892	_	-	4 0005035	4 2241877	0.07440523	1 3104947	22622194	1.1616812	1,7081167
Oydin G	1,2865088	1.7635794	2.2096837	8196587Z	-	4 2770050	4 6666783	4 5201155	1 1504512	1 1334434	0.91783077	0.9834638	1.2474394
Calgrandin B5	1.5047964	1.1066372	1.3280394	1.3659692	1.202058	1.3/29039	8708800	1 0234778	1 0392927	0.89401025	0.94957507	0.95136946	0.93287784
053	1,3869592	1.0909461	1.1376187	1.1611143	0.9149908	1.0283021	0.900940	A 6669300		1 1121995	1.1181385	0.94189844	1.0257899
Phase-1 RCT-205	1.2712562	1.0334775	1.3105564	1.7285874	0.81014216	4 5050474	4 4 5 3 5 3 4	4 36207	1 2501867	1 1098714	0.9460027	1,0381862	1,0394188
Phase-1 RCT-68	1.2689751	1.235218	1.7443765	1.3422408	12301138	0 0040348	A SERVEROS	0 98982194	1 4533911	1.1268716	0.7667105	1.1600553	1.2895753
Caspase 3	0.9565896	0.88819253	0.94131/6	1.1909900	1,13301000	1 9612238	4 221916	1 2882197	1.3444145	0.68364227	0.9477473	1.1435415	1.1373976
Apha-tubulin	1.3164428	1.075/15/	70000.	1.070007	4 6364497	4 5327355	1 3256055	1 8739731	1.8008224	0.6684468	0.6851767	1.6368532	1.5070733
Ribosomal protein L13A	22113428	1.6665081	1.8301/2	1.0036903	0.05750.0	1 12/13/645	1 2497979	1 2329196	0.977197	1.2092645	0.8146161	1.0462023	1.248985
IgE binding protein	2.0075607	1.9184964	1.7.290000	4 9504034	4 6246500	1 4115503	1 349628	1.1377786	1.0491628	0.8174416	0.887948	0.94084823	1.0248312
Phase-1 RCT-39	1.7219309	1.3/2/52	1.309/801	1 1 1 1 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7	O ROSBAT	0 8435684	0.96640533	0.8996427	0.76626885	0.9727799	1.3761318	0.757438	0.87009406
Cofflin	1.2163516	1.2/84184	4 0007062	A 472455	0 00445117	1 0782809	0.817642	0.7281281	0.71168125	0.8934096	0.8510598	0.9372743	0.7161879
Нете охуделаѕе	2.2270393	1.4101971	4 AUNERR	1 8080831	0.7251883	0.73250955	0.7304468	0.80570430	0.64940417	1.5475765	1.2616662	1.0128397	1.0734928
Phase-1 RCT-241	1.5053551	4 2044	1 8853782	1 5268471	0.87884918	0.6371657	0.6926009	0.60145855	0.71770287	0.91460043	1,5035032	0.8923761	1.127075
Ribosomal protein 59	1.1039002	4.3C14	1 5304285	1 6584333	1.0628582	0.985078	0.9363327	1,1128812	0.95940274	1.1790006	0.9807834	0.992701	1.0548091
Phase-1 RCI-256	4 8044208	1 1276387	1 861319	13540685	1.1580272	0.80881697	1.1280862	0.81045683	0.7526506	1.103141	0.59097445	0.91871756	0.8658473
Argininosuccinate tyase	4 5054446	1 25775534	1 R2R7R34	17213008	0.98619616	0.94693565	0.97155553	1.038763	0.94594777	1.6229701	1,5380939	1.0851306	0.9510201
Prese-1 RCI-180	234022	4 0481467	3 405581	3.0688853	1.7220082	1.6474925	1.9830111	1.5504704		1.0010531	1.8931203	1.1871798	0.742881
Mutuang resistant protection	1 1205314	1 1245701	4 25675	0.8829816	1.6334985	1.7626339	3,480216	3,6108851	2,2009513	1.3402053	0.9507311	1.1665/22	0.82442814
Omitune occarooxyrase	4 8R28R7F	1 813572	1 6749557	1.5710407	1.459226	1.2739258	1.0923687	1.1484659	1.5247775	0.77462137	0.9903091	1.097345	1.000000
Inymosin peta-10	1 9403309	13332051	1.3714188	1.3946064	1.135691	1.0744566	1.0393142	0.9990431	0.94936808	0.8320233	0.94611114	0.9/541/85	4 4055007
Present PCT-10	1.8851091	1.60208	1,3969826	1.529359	1.4459845	1.1852068	1,0831156	1.1038141	1.2159032	0.6416536	0.7212179	0.000000	1,463,3007
Dhase 1 DCT-78	0.91591984	1.0271308	0.92519826	1.1879162	1,135248	0.9651572	0.8294944	0.99768827	0.6727448	0.6888051	0.6803273	0.9022103	74047803
Vacuole membrane protein 1	0.946192	1,2173616	1.1015438	1,5294667	0.76217896	0.46128958	0.48843452	0.44128874	0.4862/1.00	0.6/65034	1.103222	0.00010001	0.1757200

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Phase-1 RCT-158	2.2872322	1.0703703	1.4016111	1.584024	1,0344343	0.0000201	0.00004076	4 0305817	1 0305817 0 7841001	1 1118205	1.0425553	1.0100263	1,0589947
Phase-1 RCT-113	1.2038136	1.2971843	1.1809667	1.5307461	1.0099742	1.0099742 0.84838414 0.899610/6	0.889610/0	1.0393017	4 599076	4 530076 0 50073487	0 56461406	1,2685239	1 4342458
Endogenous retroviral sequence, 5' and 3'	0.8517811	1.9804286	0.84681493	1.4089309	0.7794915	1.45/0918	1.1854510	26.542.	o Socre	_			
LTR		1	1010110	4 0740669	4 0907435	4 0005865	2 2815988	3 8257785	2.5394576	2.5394576 0.65543354	0.88679135	1.0397253	1.5636549
Beta-actin	2.9754467	1.625167	3,8749194	0.00000000	4 4446630	4 4958193	1 1785527	1 1819371	1.115687	2.0979779	2,0979779 0.94284207	1.0492948	0.8185152
Phase-1 RCT-63	1.1493808	1.298894	1.20281/4	4 0054050	4 6242780	4 40822AA	1 1 20 17 24	1 0478708	1 0478708 0 94009376	4.6249814	1.0354873	1.0349331	0.9016768
MHC class I antigen RT1.A1(f) alpha-chain		2.0193954	2,7152183	1,2354055	1.0312203	4 4507836	1 525885	1 1983931	0.9819619	1	1.0283289	1,2830487	1.1199355
Bax (alpha)	0.9567475	1.1464725	1.1948808	1.2204333	1201226.1 6268927.1	0 0505784	0 8466892	O 754224R	0 9103994	1 292442	1.2107755	1.0316017	1.1252222
Carbonyl reductase	1.661004	1.3940912	1.6068825	1./44/444	1./44/444 0./8923314 0.6390701	0.0000000	0.0754665	1 1575704	0 9066688	0.5332612	0.59130627	1.3835301	1.0428021
Beta-actin, sequence 2	1.7039471	1,6030809	1.090/125	1.3240340	0.77023000	4 94 44 707	4 2765025	1 1747713	1 3248788	1.1924306	0.96421856	1.052281	1.074933
Interleukin-10	1.8509511	1.3351427	1.3174992	1,3449355	1.3448355 1.40/1003 1.3141/8/	72343505	A 7399314	0 7399314 0 84228237	0.6224721	2,3776848	1.0801154	0.92923445	0.8220799
Phase-1 RCT-191	1.692554	1.2869703	1.8166823	1.2003970	0.84 180300	1071284	0.0405033	0 0405033 4 0594448	0.7938695	0.7973827	0.7310391	1,1141933	0,8745094
Phase-1 RCT-111	0.93757707	1.1372283	7	1,1431897		4 4004475	4 424 4087	1 1240153	1 0734001	0.6625461	0.8301615	0.8301615 0.78736985	1.1340067
Apoptosis-regutating basic protein	0.631881	0.5894236		0.4048233	1.1319071	1 048444	0 705005R	0 5332434	0.51320326	0.5851469	0.9701291	0.6996814 0.67146355	0.67148355
Glutathlone peroxidase	0.3558191		1	0.2033410		4 5440004	4 2200453	1 0724903	1 3306426		1,0658231	0.9572584 0.77431405	0.77431405
Phase-1 RCT-239	0.60219836	0.7782507	- 1	0.6013876	1	1.24 10204	0.0045442 0.88320404 0.89747304	0.89747304		l_	1,0209013	1,0209013 0.93133044	0.92697
Phase-1 RCT-87	1.0033432	_ !.	٦	901089890	1	1070707	0.000000	0 8006331	0.85352194	o	0,9305915		0.99731255
Tryptophan hydroxylase	0.65135324	0.6522297	١	0.48455912	-1.	1.243/07	1.243/01 0.5355002 0.005001	4 4480803	4 5004354	0.6659014	0.5919502	1,1351444	1,4801426
Suffotransferase K2	0.7165428	0.7165428 0.68565714	- (0.46661794	1.1/83153	1.221/430	1.2033333	0.07070	1	1	1 1610653	1 1610653 0.84358543 0.71969867	0.71969867
Calorandin 89	0.734275	~		- 1	0.93844885 0.84638107 0.9586687 0.61066319	0.9586667	0.000010			ı	0.88410264	1 0372825	1,1503855
Phase-1 RCT-123	0.86481196	- 1	ା			0.941/501	U.94 1/301 U.93026034	0.9041302	0.0457892	1.	0.95223918	0.95222916 0.87346196	0.7989134
Phase-1 RCT-98	0.7602638	- 1	1	힉	1	0.96360600	U.843384 U.86360600 U.87320073 U.89301201	4 0870075	1	Ι.	0.8922128	0.9805869	1.0121502
Aquaporin-3 (AQP3)	0.87884134	0.9298155	0.8879694		82918c0.1	1.0581629 0.690137	1.0333304	0 32010416	0 15513407	0.09878019	0 3250524 0 32010416 0 15513407 0 09878019 0 050004993	0,5475424 0.16062753	0.16062753
Steany-CoA desaturase, liver	0.18599379	0.05001978	- 1		민	1,5200053	4 44064024	0.02218410	4 472857B	1 3008895	1.1831732	1.0196224	0.77084696
Phase-1 RCT-84	0.68657213	0.7948851	0.63768697	0.5070482	1.1261338	1.1008437		0.9702031					
(1) Gene expression data for 24 hour													
timepoint are presented as mean ratio of													_
treatment/control for all 24 hour predictive													
genes (Table 5).													
(2) Compound and dose abbreviations as in													
(3) Individual animal number													
(4) Liver inflammation classification for													
compound-dose group at 72 h: yes-nect,													_
necrosis observed; yes-both, necrosis with		_											
inflammation observed; no, no histopathology	8												
observed													
(5) Predictive gene (as in Table 5 and as													
included in Table 20)													

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Table 20 Connection Oats for 24 Hour													
Timepoint (1)							1						
			Т	T	T	C C AS	CI 07 45	CLO2 180	CLOZ 180	CLOZ 180	CMC 30	CMC 30 C	CMC 30
Compound-Dose (2)	CLO 76	0.0250	CLO 250	1848	2424	25	8	4	5	φ	154	155	158
Animal Number (3) Liver Toxicity Inflammation Classification (4)	326	01	OU OU	_		_		2	5	OL	8	<u>=</u>	2
Gene Name (5)	POPOCERS	0 7789618	0 7060872	0.64599955	0.886831	0.7804518	0.7148457	0.9918829	0.8274213	0.7739847	٧,	Π,	0.73981200
Garrina-actin, cytopiasmic	0.05423838	1 0116105	1.0194573	_	0.89749867	0.867854	0.9413139	0.9152813	0.945638	0.9147869	1.0227491	1.1880487	1.000000
Mase-1 RCI-143	1 1293821	1 0778009	0.9973549	_	1.1427332	1.0090585	1.0248095	1.4100426	1.2978765	1,8108071	0.81245/6	0.7252400	0.007720
Geno45	1,1120224	1.037546	$_{\rm L}$	L	0.96538344	1.0674027	0.9788164	1.0018809	0.8982704	0.8865598	1.04/1001	4 2574508	1 0058050
Fire artison	1 4303813	1,2577068		1,0241503	0.90216887	0.991493	0.96814287	0.9221914	1.0334537	0.89109397	1,200324	2011/2010	4 24 24572
Homokoo inflammatoo nmtein-2 aluha	1 1593039	0.9518957	0.94434524	_	0.7423833	0.8488313	1.0639075	1.0813318	1.2070769	1.230198	1.1360636	4 4004058	4 00/8438
Induction before	1.1895391	1.2759743	1.187599	1.3816445	0.9876833	1	1.0033833	1.1523081	1.042288	0.9851696	4 4000400	0.00000	1 1492631
Disco 1 PCT-207	1 0325438	1.2120092	Ľ	1.4897561	0.812847	0.85532224	0.98948574	0.85924345	0.92965424	0.835365	1.1500420	0.8022030	0 8710688
Acceptate aminotransferase mitochondrial	0.82418084	12	0.9668862	0.9204375	1.0523874	0.9827221	0.8931593	0.80091745	0.78462625	1.0540363	4 0659458	0.0674801	1 1134981
Casainalaha	1,0088611	0.9902615	0.95451534		0.8868397	0.8268372	0.9841983	0.96640605	4 0503544	1.0002193	1 034374	1 3551978	1 237853
Malic erzyme	0.5259138			익	1.0483837	1.2661858	1.125844	1.0839141	1,0093044	0.0442412	⊥.	0.95902866	0.9805933
Phase-1 RCT-30	0.711838	0.77720195	2	_		0.9864024	0.9649857	0.9081838	L			0 9376215	1.079284
Herestocyte growth factor receptor	1.2202358	0.88489306	1.0153627	0.8606684	익	1.1915581	1.12/5/20	1,00/0043	1	┸	1	0.9788318	90808
MAP kinase kinase	1.0725509		_	0.8948286	0.8841588	0.9968426	1.0419/43	1.0/3//2	0.000000	┸	0 7689773	0 93734753	1.1828932
Sodium/alucase cotransporter 1	0.63106346	0		_	Ц.	┙	1.4500340	4 405347		Ľ		0.8966818	0,5980497
Phese-1 RCT-27	3.7660437	4,159179	_	_1	٦	_	1.660342	1.193217		1		0.9406687	1,1693006
Phase-1 RCT-50	1.0424821	1.2225633	_		_1	0.8624685	0.8993288	1,032030	0.0700000	┸	┸	0.88187	0.9416277
Phase-1 RCT-192	1.0970803	1.0970803 0.97163105	Ш	3 0.86662817	0.8728432	0.7892523	0.8650084	1.0478005		Ľ	L	1 2824696	1.1103076
Phase-1 RCT-288	0.86702718	1.0427788		٦.	4	1.0391032	1,0451883	0.3630022				1 0361996	1.0092484
Phase-1 RCT-37	1.0531334	Ш	_	1		1.0055625	1.01440.0	1.105/135	┸	L		1 2306463	1.014775
Organic cation transporter 3	1.2009283	Ц	_		_		0.8414561	0.9004330	1	١.,	┸	1.2614971	1.0416728
60S ribosomál protein L6	1.1347727		_				0.046083		┸	1	Ľ	1.0614225	1,1600953
Zinc finger protein	0.81065484	_	_			0.75080520	0.9703039	ı	1		L	1,0851158	0.9653535
Calgranulin B2	1.104757	0.83960545	_			0.94920430 0.90947233	4 0843543			0	L	0.996605	0.9757787
ID-1	1.201731	4	4	1.2305/88	4 0046745		0.91271186			1	o	0.859071	1.0213327
Phase-1 RCT-92	0.74349695	4	2		1	O 88041747		Ľ	١	╙	0.9966332		1.1124543
Phase-1 RCT-115	1.4210858	4	4	4	1	1 328683	1 2367427	L	┺	L	0.9423861	0.75112877	0.87439436
Matrin F/G	1.1361852		1.100941	1.0004302	ľ	Ľ	1.0513433	_	1.0722764	1.0355793	Ц		1.1897972
Mutt. fromologue (MLH1)	0.8723828	4.		+	1	_	╚	L.	_	_		0.97419083	0.99323064
Phase-1 RCT-79	0.96939397	١.		1	1	┺.	-		1.2791071	1,2685536	0.82617295	_	0.68274103
Sorbital dehydrogenase	1.0525/34	1.070707	┸		٢	L		_	1.2827017	Щ		1.0224491	1.2926286
Phase-1 RCT-24	1.19/11/	1	l.	┸	١.	١	_	${}^{\square}$	ıЧı	_	_		0.83280325
Calgrantin B1	0.8545013	15	┸	L	L	1.3037202	1,0361601			긔	4		1,000,000
Congation tactor is equite	D 5075994	_	0	6 0.8772922	1.3819056	1.5457462	1.3697044	4	잌	4	_1	1	0.0540074
L-guano-gamma-actorie unuese	0 8641696	ļ.,	8 1,1406156	1.025998	1.220438	-			4		1	_	1.001007
Finase-1 RC1-25	1 102527	┸	-	L	1.5758096	۲		_	4	_	٠,	4 063072	0 0106408
Dhara 1 DCT 233	0.6418829	9 0,7316048	_		Щ		\sim_{L}	_	4	۲.	4	ľ	0 00194744
Dhose 1 DCT-38	0.8762108	8 0.925804		4 1.1394242	2 0.8996747	~	_	_1		_	4 2622043	┸	1 4089148
Dheen-1 RCT-242	0.9751728	1.1688443		3 1.7604536	\simeq	긔	_			4	4	Ľ	0 90333647
Phase-1 RCT-181	0.9739858	5 0,88012457	_			_	-		07050608.0		1	┸	0.8055021
Phase-1 RCT-185	0,71765318	۱۲۱	0	-		4	_	0.9882310	0.70491904	0.8332234	1	L	1.056878
Phase-1 RCT-179	0.84787047	7 0.9959621	1,008282	익	_	_		ď	19		1	1_	1.0946478
Phase-1 RCT-144	0.92022324	히	_	_	4	ב.	4 9009406	_1_	0.00007566		1	1.081449	1.0303317
Ik8-a	0.875928	6 1.026036	_1	ユ	4	1.13/2018	1.0230103	4 050487	_	Ľ	12	0	0.7331903
Phase-1 RCT-225	+	9	L	4.	1.4200/92		1	L	١.	1_	-	1.1173406	1.0331165
60S ribosomal protein LB (afternate clone 1	1) 0.9641402	1,0/422/8	20/6101.1	0.0919000					_	_	_	_	
Boto Advisor class	0.95905524	丄	5 0.88992953	Ш	1 1.2084737	1_1		_	7 1.0901651		3 1.3497293	1.0500116	1 2040455
Multidam meistant protein-2	1.0885489	┺.	1,125757	Ш	1.247048 0.99463564	4 1.1621568	1 1561549	1.524660	11.173583	1.0238371	4	4	
Mulder tesision process		j	1	l									

					}- 		1007,0020		10000000	95027900	4 DS11899	1 0978701	1.0818949
Phase-1 RCT-49	1.06024	1.0177245	1.0266343	1.39848	-	0.874466	0.9788483	1.0009/14	1 0202829	0.964093	1.0586464	1,1866939	1,0921637
Catgranuth B3		1.0386874	_	1.0384609	-	1,027701		4 1288571	1.14246	1.0915675	0.8578707	1.074269	0.8950032
NADP-dependent isocitrate dehydrogenase,	0.9602389	0.95955455	1.0616525	0.85026914	1.163269	_	0.85010001	1.150021		_			
cytosolic	0007000	4 0405048	0.80702314	0 0011741	0.9620057	1.0349911	1.0507383	0.9520471	1.0574642				0.78025496
Octamer blinding protein 1	0.3701030	200000	4 776055R	0 7423R7R	1 1480938	1.3909429	1.32358	1.1055479	1.1638454	0.96777666	_	-	0.84696495
Sodium/bile acid cotransporter	0.7377493	0.6369323	1 0512846	1.1379716	┺~	-	0.89807546	-	0,94294214	1.0281088	_	0.95916076	1.0550779
Fnase-1 KC1-1/4	-	0.95962495		0.95465213	1,1284634		0.8926414	1.0791278	1.07527	1.0958947		0.93203320	0.04/5010
reaser NO 1-11		0,56350803	0.83887875	0.6123741	1.1039298	_	0.94000405		0.6579118	0.60657773	0.24.2574	0.01210014	0 7664978
Diego Cort Dea	-	0.81789464	1.0530919	1.0067914	1.1925324	1.2427804	1.1180465	_	0.80613410		4.0042024	0.00000	0.7001726
Equilbrative niroberzythiolnosine-sensitive	+	1.0215355	0.9611369	0.9915086	1,0761796	1.0090948	0.9594897	0.81432885	1.0519658	1.034184	L.UDARSON I	0.500321.0	
nucleoside transporter		000000	, 000004	4 4402204	4 0064024	1 0491545	1 0007217	1.0215687	1.0050334	0.85917517	0.91100365	0.8657396	0.863057
CDK102	1.150708	1.1592822	1.002844	1.1403334	0 8275802	0.8890968	0.9807237	1.0437438	0.9122109	0.9895052	0.88913286	0.93140596	0.90172
Phase-1 RCT-209	0.72548836	0.87008365	0.03927	0.0007759	1 22/45/14	1 051618	0.9601746	1.016985	1.1513075	1.3084122	0.8234901 0.89044128	0.89044128	0.7111404
NADH-cytochrome b5 reductase	0.73436	0.0109450	4 0024805	1 1728801	+-	0.93019846	0.9578129	0.9023989	0.87885165	0.79251224	_	1.1042852	1.0625716
Dynamin-1 (D100)	0.0300303	0.9902120	0.9954882	0.9643821	_	1,2791436	1.129092	0.934338	0.8848776	1,3212239	_		0.8255357
Senescence marker proteinso	0.89617868	1 0506935	1 1200917	0.9596862	1.102487	1.0727208	0.8967388	1.1413121	0.9235765	0.9075318	0.850/4335	4	1,00742020
Present RCI - 69	1 0388016	1.2547966	1.1056483	1.8387988	0.9835224	1.6530576	1.5233225	1.1680369	0.91358966	0.92516	1.1734623	4 0044495	0.00062777
Alaba 2 mbmolokulin	0.91948646	1.1803064	1,051251	0.9823768	1.4627262	1.0160167	1,2225819	0.39540347	0.8353144	0.732070	0.8301030		0.8188712
Aprile California	1 3008873	1.1846015	1,1178908	1.2709482	1,2015684	1.0319034	1.0470655	0.8604853	0.68220/76	0.7708353	0.070331	0.0000020	120027
Aponpopulation City	0.95653474	1.0829068	0.9754005	0.8837841	1.2393463	1.2705245	1.1856972	1.1163008	1.2032856	0.9103449	0.60009030	_	0.81806004
Catterior 4 DOT 444	2 1894722	1.244625	0.8384544	0.74390167	1.1542801	1.0301409	1.0540894	0.97938704	1.4024585	1,872001	0.507070	_	0 7582353
Dhase 1 DCT-280	0.82863754	0.9578206	0.9941006	0.97711927	1,0027802	0,8876928	0.91281508	0.8640859	0.99999994	4 9400766	1 8106524	1 2007488	1 7688353
Fredstheffe-1	1.0773933	1.1779376	0.92051035	1.1113778	0.8839419	0.8775165	1.287647	0.8284656	1.0031628	1.0403130	0 90161985	0 9613803	1.122094
Dhae 1 DCT 282	1.1556412	0.92792046	0	1.521212	0.9106507	0.8880976		0.94125235	1.00131	1.02/3093	4 0360841	0 9868122	1 0532247
Dhoea 1 BCT-140	0.9842213	1.0328382	L	1.0332096	0.9584861	0.8720048	0.9386216	0.92617136	0.96/01336	0.0679079	4 0527328	1 1575588	1 9579257
Colio Da	0.64915913	0.8552156	1.0525079	1.2738377	0.81636184	1.0658794	1.1542538	1.7094820	0.003399107		1 0109537	0 99346477	1,0803113
Phase-1 RCT-287	1,0180636	1,1077855		0.8527704	1.1264129	1.1300108	1.040009	4 0543511	0 7807816	_	0.85257816	0.78068805	0.84904814
Phase-1 RCT-281	0.7898636	1.1908523	1.0182704		1.0763387	4 4476040	1 0078775	1 0352885	0.9804967	1_	0.8719145	0.89804167	0.9143423
Retinol-binding protein (RBP)	0.82728004	1.054555	1,1256355	7	4 0053066	4 2490404	1 1291648	1.0321511	0.9703396	0.69284177	1.0463225	1.1988751	0.8742083
ATP-edimulated glucocorticold-receptor	0.98478323	1,2783332	1.0230447	001070011	1007nen							2011021	4 9460067
Translocation provides (57%)	4 05849R2	0 9886475	0.921171	0.99323094	0.941836	0.91334516	0.9499988	1.0887412	_	_	1.1202319	1.1024433	76649770
Phase-1 RCI-ou	0 0138776	0.9254128	Ľ		1.0343441	0.92915964	0.98986346	1,1143997	_	-		0.92700323	0.0468077
Pyrivae unase, musice	0 97927624	1.010814	Ľ		0.88530487	0.8669899	익	1.0335934	_	익	0.97753847	7,000 400 10	0.82464033
Nicleoside dinhosphate kinase beta isoform	+	0.8011803	0.94074565	0.77541095	1.007616	1.1206173	1,0439776	1.1101897	1.3020135	0126162.1		Proposito in	
	_			_		0000000	4 0007454	4 0034826	1 049213	1.096287	0.97374328	1.1187201	0.99650015
Gadd153	1.1097336	1,2237183	_	_	2	1.00333000		1	Г	L	_	1.1822572	1.3050629
Insulin-like growth factor binding protein 1	1.504116	1.680814	-		1.0503200	0.8053748	יב	15	L	L	L	0.96778376	0.95847857
c+ras	1.405547	1,0563907	4	_		4 2570/R7			<u>_</u>	L	1.3558375	0.9544282	1.1400536
N-trydroxy-2-acetylaminofluorene	0.8401808	1.0132732	1,0008148	10.91208214	7701102	1040107		_	_	_	_		4 0443046
Sundranserase (STICE)	1 1108058	0.5700699	1.002162	0.6370667	1.0487976	1,2357446	_	_	4		1.1312262	0.00144075	0 60531755
Make I retiblier III	0.5719046		5 0.8683121	0.7781227	_	_	_1	_	4	4 24 57 307	┸	-	0 93949383
Sterol carrier protein 2	0.93763304	0.77157277	0.9862056	3	1	1.3169249	_		1.1006/30	1	┸	Ö	0.82608443
Organic anion transporter 3	0.99065804	_		-	4	_		_L_	Ľ		┺		0.85332423
Calorarufin B4	1.0081819	_		_	1.0036073	4	1,63641230	4 003088		-	ш	0.9014889	0.8570439
Phase-1 RCT-182	0.73747768	_	_	٦	_	_	_	┸	١٩	1	┺	0.9058068	0.71726793
Calgranulin B8	0.7273083		3 1.0593894	- 1	1.4531603	1.2831254	Ľ	15	0.9102538	Ь.	ļΞ	1.0421158	0.9389474
Aldehyde dehydrogenase, microsomal	1.0777856	1	-	4 0.427474	1	1			L	_			0.92601687
Phase-1 RCT-128	0.8046587	0.940523	1	4	1	10	_		0.4268305	9	<u>۷</u>	┙	0.6684065
Phase-1 RCT-102	0.4080180	1	1	1						_	4		0.90668115
Preproalburin, sequence 2	4 5344003	1	L	1	L	!	1.7463613	0.754772	1.2931333		7	┸	0.000000
Apolipoprotein All	0 7947739	1	┸	1=		1.0551468	-		8	이	0.890034	1 2220012	7.0105/00
Phase-1 RCT-48	0.9937493	 	7 0.85112035	5 0.80202284	Ц	0.95551	긔	٧.	٠.	30530530	4	4-	0.9954418
Phase-1 RCT-8	0.752331	0.7220283	3 1,0325363	3 0.8086996	1.3649809	1.243858	0.9728906	1.1221308	0,0789099	4	2000000	1	
1 1800 · · · · ·													

	4464500	907770	4 0244808	100078201	0.037528	0.89822845	0.96953183	1.1368818	1.0486332	1.0800414	0.955419	1.1754576	.89056873
Phase-1 RC I-158	0.8947768	0 82675743	0.90152705	12359864	988	0.9458805	1.0276941	1.3625522	1.1468865		0.82342845	0.88717633	1.1379418
Prize-1 No00	1 4620898	-	1,2565126	0.8974099	1.3821902	1.2760171	1.2686379	555	0.73792815	_	0.53174627	1.2141054	67078355
Dhaca, 1 RCT-298	0.50588113	0.5518755	0.7134052	0.73819983	1.4932228	1.3967603	1.2012094	_	1.0124761	_	0.51653355	0.6879827	0.8048409
Carboic artivdrase III	0.683671	1.3674699	1.0822979	1,32104	1.8393288	0.8379002	_	-	0.97322387	0.6005103	0.60175971	0.7164182	0.5959000
Phase-1 RCT-291	0.81785154	0.8285808	0.843803	0.7735783	1.3218302	1.2123888	1,0946348	1.0538492	1.0063463	1,099740	0.00033309 0.1203002 0.7033643 0.69671807	0.66571807	1 2437804
Carbonic anhydrase III, sequence 2	0.80932	0.7813602	0.7647238	1.1477145	1.2083049	1.2085953	1.0/19223	1,581202	1.2300737	0.0008624	0.9587755	0.94966644	95781166
Phase-1 RCT-271	0.6716755	0.7088648	0.9824195		1,200,001	1.0011937	-	0.33200130		0.4774241	826	0.65185048	1.036502
HMG-CoA synthase, mitochondrial	0.82719177	1,2791389	4 4578054	0.63934377	4 2844735	1 1830428	1 0744107	1 0410655	0.73510045	0.631108	1.2262198	1,4455162	1.2032523
Phase-1 RCT-189	0.92730490	0.7555759	0.08504363	0.08307800	1 2148898	1.1878873	1.0718286	_	-	0.78700876	1.0655042	1.030483	0.9564545
Phase-1 KC1-40	0 9707199	0.81820303	0 79484683	0.5887893	1.2030883	1.0725507	1.0740273		0.84010035	0.85560817	_	1.284840	1.0856704
Distriction of the control of the co	0.6301688	0 8039061	0.83943975	0.7364444	1.124285	1.3163103	1.0480409	1.2633115	0.8438304	-	_	_	0.7779973
1 to the rold hinder ontells	1 5821996	0.7404268	0.91567796	0.54986814	0.9574943	1.0121646	0.8571658	0.8608677	0.76985765	0.4714811	_	-	0.90692145
Descentin-1	0.53610164	0.85178816	0.8471035	0.7448242	1.0251546	1,4451759	1.1168102	1.0831302	_	0.754497		al.	0.7134483
Disse 1 DCT 38	0.81730366	0.7791298	0.98311526	0.97720045	1.2382972	1.2852923	1.168362	1.0338496		0.81832516	0.791501	_	0./562535
Diseast RCT-270	0.7589024	0.64593184	0.93491733	0.81019676	1.1915478	1.0854709	0.97564137	1.0210508			1.034416	0.9710562	1.085301
Transflyorin	0.5091327	0.5283106	0.7030417	0.51360995	0.8692275	1.3882896	0.98043054	0.9502858	0.6537179	ब्रो	0.77873164	0.626974	0.78317600
Honoffe lines	0 64443463	0.63782394	0.7942272	0.7132315	0.8971055	1.0274721	0.7982159	0.9622249	0.44262192	-	٠,	_	0.8871704
Cytochomo D450 1141	0.77106726	0,83418995	1.1960361	0.8612259	1.1505477	1.9437005	1,3032756	1.0867804	_	2	776957		0.91596385
Division 1 DCT.475	0.68870986	0.78367114	0.8659725	0.62841403	1.1945903	1.1149359	0.9752185	1.0495193			0.7559046	-	0.65/10465
Phose 1 PCT-117	1.5117348	1.0601634	1,2486214	1.0893842	1.1531562	1.1112852	1,1396813	0.8124891		= 1	0.76065934	1.1731318	0.9031236
Dhacout PCT.437	0.71725285	0.7591994	0.9208097	0.6965868	1.2128456	0.8848574	0.86591953	0.82034487		8 0.94510937	0.88170207	1.2938056	1.1033204
Melanoma-associated antigen ME491	1.1098901	1.0102526	1.1262056	1.2460278	0.89595574	0.7721415	0.7758122	0.83560306	0.80613758	0.93471855	1.5446022	1.232/00	1.1020322
Phase-1 RCT-12	0.9573671	1,1591169	1.0141681	1.0797205	0.9511117	0.89896894	0.97652227	1.0831896	0.99517614	1.1291621	1.1/44244	1,260850.1	1.101000
Phase-1 RCI-152	1.170481	1.0005909	1.0748382	0.8997508	1.0202174	1.2492963	1.1147162	1.1816701	1.0386245	1.1438717	1.0164213	1.470280	1,000012
14-3-9 zela	1.170079	1.1488968	1.192529	1.0137153	1.1270578	1.1470114	0.91130084	0.9559349	0.80981135	0.75416976	1.1341/82	0.89306340	0.8088240
Cytochrome P450 2C23	0.8311873	1.322878	1.0420244	0.7925266	1,3000339	0.9255412	0.9222175	0.77811307	0.495/5/48	0.8039037	0.0003337	1 2501501	0.00368568
Voltage-dependent anion channel 2 (Vdac2)	1.0916301	1.013991	1.0759624	0.91611415	1,1796182	1.1108142	1.0437163	1.1446435	1.0401138		+coons+ero	_	20000000
	0000000	0.000.000.00	4 0944009	4 2637000	0 04030747	O REDESAME	0.9527857	0.9189665	1.0494719	0.9609252	0.9400862	1.2462798	1.0049834
Phase-1 RCI-154	0.83910/00	4 95540/40	1 2442004	1 007018	1 2434553	1 2872769	1 2595822	1.101772	1.4288327	1.1436363	1.1319547	2,0200396	1,6057551
Superoxide distriutase Mn	1,000 to 1	1.3001/01	1.64 16094	4 DORATOR	0 8243019	0 7078105	0.9015688	0.8670703	0.9332053	0.866055	1.1600162	0.7798084	1,3268955
c-myc	1.0749706	1.2021244	4 0448054	4 1400804	ACEC71500	0.899137	0.9795142	0.94417316	0.88171935	0.9379256	1.0286232	1.1315161	1.1703843
Phase-1 RC1-196	4 4632773	4 1340841	1 041701	1 3977548	0.9148868	0.95818084	1,0044901	1.0929897	1.0835636	1.1368802	1.1416441	1,227,5662	1.2799505
Cyan G	1 1155737	1 0468974	1.0568064	1.4844356	0.8222751	0.8371896	0.948367	0.9581851	1.0509431	1.0316532	1.1837181	1.2764744	1.1908113
Carrie of	0.92434468	0.98178285	0.8909785	1.0433538	0.87169766	0.9243879	0.88362205	0.88649607	0.8172711	0.85906756	0.92334884	1.1121048	0.9235815
Dhase-1 BCT-205	0.9438863	0.99854547	1,0079683	1,2848107	1.0223074	0.91440266	1.0809205	1.0888368	1.1281394	1.1073841	1.117025	1.7558328	1.0235533
Phase-1 RCT-68	1,0161443	1.0323689	1.0321838	1.0663778	0.8381461	0.9717728	0.9977662	1,1153138	1.0944927	1.0418516	1,0819267	1.0548021	1.0792809
Change 3	1,4149469	0.9853098	1.2240976	1.321978	1.0189595	0.8864136	1.0882223		1.205414	1.610996	1.0503384	200707-00	1.1014201
Arrhathulin	1.0370028	1.146817	1.0741249	1.0544504	0.03593854	0.93573153	1,4333513			0.9744271	1,000001	4 4205242	1.00/0023
Ribosomal protein L13A	1.5706558	1,45864	1,3681536	1.057396	1.0106195	1.08023	1.0932258	0.9440916	0.91558903	0.80614624	1,3000224	1.1203212	1 051405
IgE binding protein	1.1920556	_	_	1,0180311	0.98929673	0.9474773	0.98314214	0.95619285	1.033830	4 0077447	0.0780744	0.00510837	0 9288434
Phase-1 RCT-39	1.1853719	1.0179993	1.0109497	1.2472459	0.8966333	0.8312525			1.1323239	0 0007405	0 86312704	1 1051084	0.95776975
Cofilin	0.85631293	0.8880473	_	0.8334626	1.0615832	0.9992583	0.90193/00	4 1075702	0.0491312	1 3717853	0.81790036	0.7776252	0.6889211
Heme oxygenase	1.527974	1.1091478	-	1.0428405	0.09909030	0.09300463		0.0106020	1 1230364	1 9017248	1 0029461	1 2254524	0.99419534
Phase-1 RCT-241	1.0972037	1.0168953	ö	1.1946//6	4 0470507	0.0632400		0.80058825	0.8972151	1.0072577	0.89324423	1.0393901	1.0239768
Ribosomal protein S9	0.9874634	1.0235433	1,058497	1 4054407	4 0078885	0.8844188	1 024528	0 96414554	0.985597	0.9303849	1.0402327	1.0994966	1.020244
Phase-1 RCT-258	0.9146017	1.0935695	1.081021/	4 0149401	1 5628184	1 4103422	1 3624986		0.92306274	0.9817164	1,1479695	1.0996364	1.1858492
Arginhosuccinate lyase	4 0504035	٦	1	15	0.82426065	0.92348254	0.9418231	0.6705864	0.84146833	0.87748605	0.9871595	1,1545068	1.0576249
PIRSE-I NOT-100	0.00063903	+	1	_	1.0488818	1.1886497	1217331	1.4404448	1,2398317	1.1010787	1.1038035	0.6939005	1.2687087
Mundrug resistant protesten	0.9990090	1	1	0 8452814	1 1223097	1.1905354	1.1402204	1.1084533	1.2060008	1,3621129	1.1020507	1.1636727	1.1864347
Umarine decarboxyrase	4 4044747	1 1102076	+-	1 0284677	0.91385925	0.88226384	0.95405835	0.77703494	0.84657633	0.70050937	1,0511589	1,2702259	0.80519843
Disco 4 DCT.72	0 98652774	0.9291911	0.9371134	1.4278687	0.7916698	0.80005693	0.91075975	0.97464716	0.9566778	0.9987635	1.0954493	1.0639043	1.0577831
Phase-1 RCT-109	1.427764	1.44131	1,4541881	1.15212	1.0035005	0.9705471	1.0784366	0.9549983	0.9468043	0.8308208	1.1508441	1.0600932	1.1000482
Phase-1 RCT-76	0.8214001	1.2765657	1,025989	0.8556296	0.8816812	0.941601	0.9249157	1.032431	0.7155178	0.7382/8	0.8/4/924	4 2707586	0.03020227
Vacuole membrane protein 1	0.811599	0.997459	1,0103068	0.99667513	1,0799859	0.93590283	0.9432689	1.0715789	0.90198133	0.9740976	1.1/3/1/1	1.2731.0001	0.0010000

			Ç								20070000	3CCCA00	4 0051805
100 000	0 84980451 0 95355016	0 95355016	0.994759	1,3745525 0.77082735	0.77082735	0,7768299	0.9710129	0.8832117 0.99970657			0.8221007	0010100	9841398
Prase-1 RCI-130			0000000	4 00004 40	4 101RDSR 0 98802976 0.9584638	0.96802976	0.9564636	1.048788	0.9243725	1.09/5/63	_	0.9019700	200
Phase-1 RCT-113	1.1253973	1.1701738	0000001	2000	4 4 4 4 4 9 3 9 B C C C C C C C C C C C C C C C C C C	0 0484050	1 5041084	0 95104325	1 5041084 0 95104325 0.72859156 0.70105016	0,70105016	1.1356703	1.1356703 0.67063457 0.94982976	.04882976
Endogenous retroviral sequence, 5 and 3'	1.1309975	1.309433	1.3024//6	5	07001147	2							
LIR				020000	4 2000007	A DAKESON	0 0150 278 0 64539425 0 77047724 0.67273694 0.42612496	0 77047724	0.67273694	0.42612496	1,1000493	1.1381011 0.84379873	84379673
Parta-actio	1.0789865	0.9737921	0.9482086	0.63320/0		4 0000004	4 0500204	4 4224254	0 9149387	0.935248	1.1157068	0.8537874	1.134871
Dhaea-1 RCT-65	0.9144948	1.0865247	0.9290935	1.0594393		CORCEO	1,00001		4 00aB044	4 0405045	1 0112402 0 68423774	0.68423774	1,1079888
MHC class I antioen RT1 A1(f) alpha-chain	1.3085401	1.1024977	1.0032218	1.1433822	1.2491324	1.3169806	1.18020/3	0.0640634	1 0425402	1 0886308	1,2805521	0.9723958	1.2563033
Ray (alpha)	1.1929992	1.220737	1.0056925	1.0377324	1.0377324 0.84256697 0.97162783	0.97162763	1.0921173	0.8040004	1 1429894	1 288531	1.0569657	1.0395573	1.1370679
Carbony reductase	1.0064368	1,2229317	1,2229317 0.97824705	1,0018888		0.81///506	0.8332/303	0.00303713	O BORATRA	0 7467704	1 2808683	1,3861797	0.997809
Reta-actin aeditence 2	1.1795138	1.1361978	1,2204858	0.8663081	1.1442205	E/LCGLS.D	0.0053332	0.0001027	0 842400B	0.918838	1 4319409 0.98071444	0.98071444	1,4295841
Interleuido-10	1,1463419	1.2560728	1.0109068	1.0109066 0.92383546	0.7913813	0.7913813 0.9523955	4 07703031	4 ORYOON3	1 1445812	1.1546031	1.1825393	1.1825393 0.84267414	1.1506138
Phase-1 RCT-191	0.957703	1.0112606	1.0112606 0.93005776	1.0522951	1.0814669		77777700	4 4651378	0.8140837	0.8140837 0.83556527	0,8765754 0.74136955	0.74136955	0.8345218
Phase-1 RCT-111	0.8587403	- 1	1.2222899 0.91679716 0.77987057	0.77987057	1.209085	1.2360230	1 0302018	0.00000		0.8301876	1.0234784	1.0509181	1.150974
Anomosis-regulating basic protein	0.8035441	٦	- 1	0.93984854	1.103/633	1.1140000	1.1 146505 1.0552510	4 97047R7			0,6061348 0.64847344	0.64847344	0.7916571
Gurathione perceddase	0.60359037	0.649045	0.950089	0.708751	1.100/808	1.1403340	0 0 0 0 0 0 0 0 0 0 0	0 0022249	D 0022249 0 R250R725	6	1,0626191	1,0626191 0.92980075	1.1390542
Phase-1 RCT-239	0.9774028	1.0893745	1.0298054	1.3403263	0.7752677	0.0440		0 92821264	0 9769235		0.9965692		1.0288473
Phase-1 RCT-67	0.9490309	0.9059983	0.9365934	1,4551183	0.8349529	0.81430/10	0.95070055	4 4383004	1	L .	0.8295279		0.96370107
Tontonian hydroxiase	1.055838		1	0.7537832	1.0869566	1.1366284	- 1	1. 1302304			1 0606679	1.0606579 0.74760914	1.0171267
Sufferencierase K2	0.91309947	2.0845335	- 1	1.1802634	2.0158272		1251621	4 4973467	0 89767995	4 1372457 0 89780995 0 99885717 0.73206335	0.73206335	0.93644184	0.7740839
Coloradin 89	0.9519456	0.9519456 0.88811475		1,00069	0.8489358	이	0.97644335 0.98104244		4 0462578	4 0462578 0 0883124	0.9878806	1.005618	1,0056612
Dhose 1 DCT-123	1.0392454	1.0392454 0.94757116		1.1783302	0.9552969	0.796243	0.796243 0.93666905	- 1	_	0.0553788	1	0.9422091	0.9552358
Disco 1 DCT 08	0.78956795	0.78956795 0.9051375		0.8621439 0.96522635	0.8931241	ı	1.0135528 0.9333426	-1				1	1.0076276
A COOK S (ACDS)	0.9246733	0.9246733 0.88457533	0.948447	1.255107	0.8252759	0.8454816	0.8454816 0.9446068	0.5547780	- 1		A 733700A		1 1791835
Agrapones (Agra)	0.29817986	0.29817986 0.07278274	Į.	0.8953869 0.75780004		0.72834224		0.85491574	- 1	0.47199705	0.73373004	7300000	0 02511785
Steam-Cox desaurase, aver	1 0688965	0.7517654	L	1.0018016 0.8553628		1.1525278	0.9522887	1.1292849	0.98709500	1.1292849 0.98709506 1.3148343 0.002.	0,000,000		
Prase-1 KCI-04	1	L	1_										
(4) Occa commercion data for 24 hour													
(1) Gene coperation of the second of the sec													
unepoint die presented de montre organisme	_												-
nemes (Table 5)													
(2) Compound and dose abbreviations as in													
Table 1.													
(3) Individual animal number													
(4) Liver inflammation dassification for													
compound-dose group at 72 hr yes-necr.													
necrosis observed; yes-both, necrosis with													
inflammation observed; no, no histopathology	≥												
Opsewed												_	
(6) Predictive gene (as in Table 5 and as													
Included in Faure 20)													

						•							
Timepoint (1)													
	Т	Т	Т	2000	, and a	יאבאיז	Se sonio	SC SOLIO	SC SONOS	CDHOS 100	CPHOS 100	CPHOS 100	CYCA 20
Compound-Dase (2)		CHEX 0.5	CHEXOLD	ž	3366	2266	т.	lic	100		2155		424
Animal Number (3)	77	200			_	_				8	-	_	8
Creation international concentration (a)													
Gene Name (5)							7.000007	0000000	4 4460054	* 720077	4 700000 0 08836838	4 3R3402A	1 0125684
Gamma-actin, cytoplasmic	0.9983807	1.5683876	1.1129632	"	2.8307903	4 5900000	1./302004	0.04078463	1 103024	0 94854458	0.972011	1 0006781	0.7794119
Phase-1 RCI-145	4 40250334	1.0961893	0 9921554	0.89552444	1 0677212	0.9225125		0.93020856	1,2260978	0.8098992	0.92518455	0.7804642	1.0456836
Dhora 4 DAT 78	1 0157107	0 88987035	0.8257909	1	0.86779804	-	0,93913156	0.886846	0.98052263	0.6707907	0.8855752		0.97949713
Fac antioon	1 0293813	-	1.0163693		1.6553521		1.2888573	1.406916	0.91123027	1,6140989	1.140782	1.1171663	1.1554203
Macmulace inflammatory protein-2 alpha	0.99190736	ـــ	1.1487525	1.4402591	2.1188757	2.1920779		0.96302708	1.2813107	0.9745143	0.9293999	0.99075305	1.0770301
Infection beta 1	1.1204696	L	1.2522796	1.582949	1,9727416	1.5494436	1.1614805	1.1736794	\simeq	1.665677	0.9991933	_	1.0403911
Phase-1 RCT-207	0.95288193	1.3641334	1.5906587	2,3335903	3.5395994		0.99991345	1.1275882	1.1160359	1.4032772	0.9619898	_	0.83687475
Aspartate aminotransferase, mitochondrial	0.9682415	\Box	0.8488407	0.9280984	1.028436	==1	0.84609115	0.8320239	0.84678644	0.88749284	1.0913687	-	1.3754957
Casein-alpha	1.0480449	Ш	0.9771033	1.0119997	0.8406054	1.0743967	0.9692603	0.9526392	2.7962224	0.93156844	0.83821		0.73426654
Matic enzyme	0.7895161	0.5007901	0.62063646	Ш	0.33987373	0.35858363	0.91145134	1.0164182	1.4991018	0.6322268	0.8661981	0.829256	0.6516876
Phase-1 RCT-30	1.0016528	1	1.0651789	_	1.0009695	1.1695917		0.99815965	1.2885455	1.1367855	4 0740070	1.1118699	4 4778826
Hepatocyte growth factor receptor	1.0728713	٦	- 1	4	0.9685379	1,0764507	1	1.032/622	1.1/63/83	7.03567.000	1,0748378	0.84130417	1 1302441
MAP kinase kinase	1.2150109	_		4	1.389236	1.2024289	1.053685	1.0350310	0.833624	0.0807.007	1 0669173	0.03190020	1 0996232
Sodium/glucose cotransporter 1	0.9601111			1.0100994	0.84541297			1 8045054	4 4 4 9 6 5 4 5	1 9488138	0.54773074	1.3973081	0.7239528
Phase-1 RCT-27	1.0835929	1./04263/		0.397.21067 0.43131033	3 394043	1 8673415	1 034398	1.1886325	1,0005768	0.9330783	0,9171667	0.96635765	0.8396751
Prize-1 RCI-50	0.7374161	┸	۱۳	r	1.8849636	0.9838191	1.0390985	1,0116512	0.8805418	1,2401581	1.2396026	1.0831431	0.9545358
Dhace-1 RCT-288	0.92282768	1		╄	0.7065826	-	0.96898234	1.0845494	0.8318668	0.9535464	1.2355851	1.0077139	1,2757496
Phase-1 RCT-37	1.0827104	1,3925552	-	_	1,4997816	1.5984524	1.6984524 0.98023385	0.97626525	0.9459132	1.1364017	1.0073923	1.0946265	0.8393847
Organic cation transporter 3	1.044702	_	டப	3,3090835	3.2877293	2.7987916	0.836944	0.9030965	_	1.0487841	1.0399148	1.1304556	1.0360454
903 ribosomal protein L6	1.0071745	Ц		Ц	4.045918	3,1642585	0.90393144	0.90143996	_	1.149436	4	1.1633608	1.3335285
Zinc finger protein	0.932975		- I	4	2.5314925	_		1.0342678		1.0043882	l	1.1068200	0.054003043
Calgranulin B2	1.0320575	익	4	┙	1.3978752	1.2182437	0.8998695	0.88189465	0.845452	0.8401341	1,073337		1 085807
D-1	1.0296733	1	_	_	1.8312454	1.4756345	1.4420907	1.18/2588	ㅗ	0.3/33943	4 1181778	4 448477R 0 R7082297	0 9759136
Phase-1 RCT-92	0.997039	4 0670234	4 2020240	1 000046	4 0264074	1 0444227	4 4926825	1 2946634	L	1.025578	9	1.0166668	0.7187483
Made Ell	1 4549469	1		_	0.66842186	0.8268303	1,1916116	1,2122837	┺	1,3490194		0.9591115	1.0260894
Multi bomologija (MI H1)	0 97372526	1		ட	1.1613541	1.2424035	1.0710865	0.8659774	L	1.0181369	1.0712197	1.117371	0.9867865
Phase-1 RCT-79	1.0300752	L	-	_	1.3987781	1.5266595	0.9745472	0.71962965	1.188285	0.9346606	_	1.0456897	0.7046398
Sorbitol dehydrogenase	1.0932683]		ш	1.947834	1.255551	1.413174	-	1.3910035	1	1.0478364	1,6290569
Phase-1 RCT-24	0.9724069	듸		9	7	1.0843639	1.1219774	1.060264	4.04235756	1.1558558	1.104478	1,1220003 1,148288	0.8252722
Calgranulin B1		_	_	``_	21967976	2.56/0643	1.1423304	1.23/6229	4	4 9022999	┸	1 0907269	1 4308B41
Elongation factor-1 alpha	0.99537706	-	1.0613021	2.113279	212204/2	0.9264960	0.9021032	1 4540/04	4	Ľ	٦	-	0.87872005
L-gulono-gamma-lactone oxidase	0.62253827				1 1201547	1 1286113	1	1 03702	1	L	-		1.1899189
Plase-1 RC (-35	0.96753		1.1022645		1.5913497	1.1105604	_	1.0432019	1_	۲	L	0.85611516	1.0576034
Phase-1 RCT-233	0.9003313		↓	_	0.8577805	0,6297186	0.9066492	1.0907252	1.0874839	1.104638		0.9702206	1.0631545
Phase-1 RCT-36	0.87548643	0.7918165	<u> </u>	0.98955834	0.9522938	0.9535317	1,0611111	9	Ц	0.8405287	_	0.941996	0.8195126
Phase-1 RCT-242	0.86177087	0.90500885	1.0695999	0.8146787	1.1940968	1.0014788	1.1034844	1.0132798		1.0586189	4	0.9162872	0.8220349
Phase-1 RCT-181	1.1002562	1.438414	1.3354911	1.590165	1,0510261	1.1358595		_		┙	1.1455507	0.88870677	0.90565/86
Phase-1 RCT-185	0.8971198	ш	_	Ц	0.38221017	0.39807385	-	_	4	0.6685737	0.8749062	0.7901897	1.14/602
Phase-1 RCT-179	0.93358105		_	4	1.8741211	1,725/137	-1	1	4	1,002194		0.904745	O BOAKDEAR
Phase-1 RCT-144	0.9016582		_	4	1.6981608	1.5520238		_	1.2059634	4 9575750		1 246955	1 3135974
lkB-a	1.1091301		-].	1.2742853	0.95671153	0.9545653	_		1	1 2263802	0 6388158	0.8663846
Phase-1 RCT-225	+	민	4 0020007	9 0.812194	9 7043878	7183017		1 0229768		1	0.9543652	1.1437004	1.2947508
605 noosona protein Lo (artemada cione 1)	0.9963600	1.736433											
Beta-tubulin, class (1.024464	Ц	L	1_1	Ц	Ш	ш	_	1.0440573 0.8936613			1.1518395	1.095425
Multidrug resistant protein-2	1.3219597	1.0919524	1.3476552	3.5141747	3,4177349	3.1648946	1,0715761		0.92022145	0.9192068	0.91847605	0.880839	1.320/028.

Phase-1 RCT-49 Calgranulin B3 NADP-dependent isocitrate dehydrogenase.		L	4 0404000	4 2770779		1 1162382	0.93497883	000000000	3				
Cagranulin B3 NADP-dependent isocarate dehydrogenase.	4 0503078	4 4074974	1 6072857	1	2.2978952		_	0,93160397		1.3286456		-	0.9356/145
NADIY-dependent isocurate denyal ogenese.	0.0003070	٠.	0 6405032	0.883624	0.42253935	_	1.0392553	0.9616564	0.7067954	0.7843551	1.3450129	0.98146254	1.1572465
	70.00						_				1 0200440		4 4547884
	90749746	1 1031793	1 2301778	0.7014423	0.7317206	0.8272345		1.0837522	0.812148		1.2792116	-	1.1043001
	1 0000115	+-	0.87733316	0.6135982	0.28031644			1,0116426	0.7821948	0.4844858	2007708.0	0.000000	0 04490407
ouensporter	C377450		0 9001345	0.9612638	0,9064899	0.78212124		0.93905836	1.2941722	1.0046908	1.0588697	_1_	4 2004202
Phase-1 RCI-1/4	200000	1 244524	0.8815238	1 0641872	0.77081266	0.7081328	0.8098639	0.85433376	0.9015191	1.1492327	1.0138954	┸	1.3001.00
Ť	+	10	+-	0.48006648	0.325804	0.28798616	1.0200475		0.8744989	0.7874297	1,3135297	┸	1.0303903
hate mulukinase upinky		-	-	1.3992337	0.747829	1.31074		_	0.69727373	0.9440794	1.1170822	4	1.0291848
Phase-1 RCI-256	2 2489514	-	1.0091189	0.7823181	0.43400705	-	0.83908904	0.81693035	0.7425929	0.45221612	0.8570891	7118690	10.0010.0
Equipment in coercy, in contains sensing			_							0.000000	4 004800	0.8794783	1 0705698
maccosine using we	0.8942373	1.0401324	0.9597939	1.3695815	0.8611594	0.94086534	1.0599042	1.0902824	0.7066499	0.948/424	1.0940002	1.	0.815934
CDK102	1 1644664	0 9332382	ь.	1.1085415	1,0140768	0.9591226	0.9450487	1.0163497	1.2627431	0.9471392	1.00/1/00	┸	4 0262872
Phase-1 KCI-209	4 0483775	0.6310299	_	0.61751544	0.3911482	0.5018323	1.1217375	0.8484194	0.7508336	0.78047775	_		1.022012
NADH-cytochrome bo reductase	1.0465715	0 000 1 286	_	0.05323443	0.7964142	-	0.97788185	1,1594439	1.0533482	0.88763475	_		0.77700
	94/03/4	0.3031200			0.085319005	Ι=	1.1123818		0.62722075	0.27853036	1.4121476	_	1.5519705
ker protein-30	2010100	0.0000	+		0.39124602	0.6660112	0.9264467	1.0080161	0,8210696	_	-	_	1.1518327
Phase-1 RCT-89	7/0000	0.871230	-	0 8330909	1 0414609	1.1122345	0.9680417	0.9836248	1,5121372	_	_	_	0.97512585
Camitine palmitoy-CoA transferase	0.921/009	0.02044013	+-	0.4307238	0.13223965	0.14980124	0.768749	1,1627069	0.99461335	ᇷ	0.7148143	4	1.1494397
Apha-2-microglobulin	3330340	0.501040	0 5008861	0 5461198	0.54614776	_	0.89102596		0.85292566	-	0.86426675	_	0.9760724
		4 2402106	4 0150830	2 08 17847	3 2933927		1.0889438	1.1386464	0.7879411		0.9960531	_	1.1768477
Cathepsin L, sequence 2	1.0300439	00156471	5 4658A16	6 6648088	19 10274	7.48826	_	0.94485094	1.0965822	3.0554178	1.4004469	_	1,5886618
Phase-1 RCT-141	1.9195012	2.508555	0.1000410	0.0040000	0.5031377	0.6796383		0.9855242	0.8034694	0.7833085	0.99069077	0.9634056	0.9831525
Phase-1 RCT-289	0.7700189	0.8460522	0.0041212	0.0023000	0.0301512	1 0909684	0.9540273	0.949807	1,2165223	1.125427	1.0795689	_	0.916215
Endothelin-1	0.91989124	0.91315160	0700071	0.0727070	4 9573530	1 95800B4	RCA7050	0 9007973	1,2104523	0.82696488	0.94847864	_	0.78613003
Phase-1 RCT-282	1.1661923	10423925	1.1720282	1.450301	1.3023020	4 0455805	0.06834854	0.9697043	1,1197182		0.87888384		1.2665029
Phase-1 RCT-140	0.8703084	1.0308349	1.0/60349	1.0002035	4 4020772	20574025	1 012985	1.0538121	1.6117715	0.6840349	0.5919761	-	0.89330137
Cyclin D1	0.8886487	1.0149541	1.2897898	24003334	1.4050113	0.0545477	1 0817039	0.952658	0.78908235	1.0487757	1.2906078	1.0824009	1.0485885
Phase-1 RCT-287	1.024266	0.9823822	1.0249063	1.0749400	0.7400740	0.7472642	1 329857	1 2494906	1.0817258	1.2404064	0.9389307	1.0528048	1.1710266
Phase-1 RCT-281	0.94382507	0.7826531		0.730232	0.74607.10	O SATOORS	0 9961871	0.9111436	0.7591311	1.2160453	1.2203445	1.1047841	1.4665866
Retinol-binding protein (RBP)	0.9559298	0.6909545	긴	0.3002000	4 2207056	4 4445016	4 4653765	1.0526855	0.96181375	1.2454492	1.0093244	1.0301731	1.2411356
ATP-stimulated glucocorticoid-receptor	1.0852485	1.2106671	1.0320822	1.8965401	1.2287800	01861	3						000000
translocation promoter (GyK)	07703007	3557250	0 07305414	1 1307015	1 4303195	1.0101069	0.9464716	1,3869208	1.1431404	0.8926184	0.9120257	1.080356	0.922003
Phase-1 RCT-60	4 04 700 20	1	-	1 8739325	2 1357522	1,6510645	0.9407241	1.0512626	1.0550194	0.9875792	0.69043714		0.719/804
Pyrovate kinase, muscle	1.21/8328	4 244 242	┸	1 910845	2 4942105	1,7751994	0.9853479	0.8818899	1.0005305	0.90743476	0.85006803	_	0.90624785
PAR interacting protein	1.8800203	1 4795583		2,1025286	1,9090911	1.7552234	1.1120044	1.0174289	0.9342405	1.6182374	1.2571884	1.2793146	1.6095233
Nucleoside diprosprate idrase pera isoloriii	_	1.1	_		-							4 0042464	0.0004648
0-4465	1.0698527	1.2216478	1.2547026	1,7194129	2.3482122	2,1793523	_	1.0884286	1.2165945	7.2304094	1,041,1032	1 15/8757	1 2828089
Gadulios amuth factor hinding profein 1	1.3025428	1.0495468	┺	1.1440232	1.8908749	1,0158372	- 1	1,3398731	G110828.0	121402121	٦.		1 2574104
- House	1.0713621	1.3540628	-	2.0440903	1.8799273	1.6705265	- 1	1.1782085	1,0304555	ြိ	0.8187832	1	0.9321487
N-hydroxy-2-acetylaminofluorene	1.0203187	0.6867953	_	0.37615678	0.106923798	0.23977196	0.7895196	0.7/00/29	Coat o Jac.o				
sulfotransferase (ST1C1)		_L	20100100	0 27550007	0 1051R78R	0 2314039	1 0240551	0.7978282	0.7879082	0.33411103	0.87833485		0.96194255
Phase-1 RCT-52	1,261/193	4	4		0 19848953	0 30333257	10	1.0460413	0.6627238	0.48618534	0.7626263	의	1.1186627
Apha 1 - inhibitor III	0.6/860186	0.0037280	Ľ	_	0 7353627	0.7400719	 	1.0808741	0.80001915	1.2668118	1.499086	1.1911296	1.261307
Sterol carrier protein 2	0.9134018		_	_	0 61963844	0.8225944		1.2403215	0.844389	1.1526127	0.9666416	_1	1.0870854
Organic anion transporter 3	1.0516382				0.2845282	0.49236035		1.0658029	0.7476404	0.79647505	1.4353431	-1	1.1746662
Calgrandin B4	0.9597128		0.02/04003	0.7030420	0.64705568	0.47385693	1	0.7286113	0.6249178	0.74871534	1.1040483	0.9999412	1.2700888
Phase-1 RCT-182	1.0740895	0.939200	0.17700404		0 5650912	1	٠	0.8611794				-	0.998047
Calgranulin B8	1.163//06			┸	0.98568654	ľ		Ц	Ш	٦	_	듸	1.1903493
Aldehyde dehydrogenase, microsomal	1.0036524				0.7357793		1	_	0.7223218	_	1.0494541	4	1.3664152
Phase-1 RCT-128	0.000328	0 508 1000	0.48259114		0.16294688	0.32188815	_	_	Ц	4	0.5372141	4	4 2403642
Phase-1 RCT-102	0.82030830	_1.		1	0 28516087	0,35007575	0.859227	0.88350314	_	믜	1,2462364	4	12103012
Preproalburnin, sequence 2	0.74709070		_	Ľ	0,118008524	0.14833435	_		_	_	0.6652296	4	1,4403447
Apolipoprotein All	0.0432884		1	+-	0.79796433	0.7475591	0.96907675		-		1.4866701	1.1000494	0.003606
Prase-1 RCI-10	4 4675109	_	-	1,3505663	0.82590085	0.9012404			<u> </u>	1	27/110.1		1 12/042
Phase-1 RCI-48	0.1670103			1	0.29880142	0.34950703	0.85676795	0.84953463	0.6228081	0.7817489	1.2282313	0.7770402	1,124342
Phase-1 KCI-8	V./ 0000		_	1		1		1					

Pr	7000000	0.0704700	V 76496064	0 5750004	2022020	700200707	4 0956777	0.0271205	0.8776507	O ABSROES	1 142852B	1 0486772	1 0541917
	1.1482127	1.0050626	0.954527	0.77122337	0.56224936	0.69902886	0.75448465	0.7727982	0.89975256	0.92044777	0.95901144	0.9411321	1.0049641
Beta-alanine synthase	1.1795187	1,394049	0.9007685	0.97064894	0.4602472	0.7641523	1.080403	1.2361141	0.77138054	0.9384748	1.1292346	0.7206334	1.3825914
	0.80776596	0.31703943	0.15766844		_	0.102809474	1.01345		0.6128551	0.15891286	_	0.6015903	0.763848
Carbonic anhydrase III	0.5902854	0.6998071	0.11866559	-	0.098172426	0.11700969	0.9088653		0.68205196	0.48194855	0.9202982	0.62312734	0.8345637
Phase-1 RCT-291	1.0384343	0.97272164	0.82524863	0.95858014	0.91174126	0.82834613	0.9644805	0.8999749	0.80765086	0.92785254	771570C8 O	0.043013	1.0236 JBG
se III, sequence 2	1.145894	1.1169673	0.8347482	0.6943858	0.35310948	0.538658 0.0270539 0.73606988 0.86191487	0.02/0339		0.7467103			0.6939642	0.8282959
Phase-1 KCI-2/1	0.9253091	0.9352302	1 1600857	1 47 1887	1 4164414	2.058714	1 1725368	1 1530441	1.0298709	1.0611848	1.0764776	0.9973144	1.0348146
Phase-1 RCT-189	1.0133785	0.80185684	0.8419196 0.79439205	0.79439205	0.7556233	0,7412518 0.96153	0.96153235	1.0974708	0.707485	0.9764776	0.89225745	0.89703634	1.2756166
Phase-1 RCT-40	1.0288253	1.0145277	0.9058137	-	0.58677853	0.6252523	884	0.94780734	0.78273267	0.66268593	-	0.91967758	1.3069608
Uritrary protein 2 precursor	0.7636657	1,2291912	0.7398764	1,5151533	1.1272709	547	32	0.92333245	0.8846574	0.69611406	0.9379382	0.91498	1.3097916
	0.84782864	0.731044	0.6989097	0.6838049	0.46069768	0.4822132	0.90001106	_	0.73201966	0.75029147	2	0.8712983	1.1172482
binding protein	0.39632148	0.60769534	0.5953544	0.6394367	0.12195658	0.35434705	1.4778444	1.0908494	0.76437724		_	0.70329225	1.2566397
	0.7023558	0.79924726	0.4349051	0.48846507	0.19402899	0.30104074	0.8248035	1,07033	0.6604308	-	-	0.36329787	1.1138344
Phase-1 RCT-38	1,0260766	1.1277264	0.81496906	1.4826338	0.80742794		1.0438038	1.076891	0.6834227	0.9654182	1.1403881	0.78837687	0./382
Phase-1 RCT-270	0.8935978	0.8142408	0.64830214	0.46545014	0.38240713		_	0.8189348	0.8831677	0.72378826	1.2343534	0.9316339	1,1/44232
	0.7153317	0.5128207	0.51419926	0.4829779	0.3340674	0.28786558		0.93841434	982082870	0.00090904	1.0/30310		0000000
	0.82758304	0.74184008	0.53936267	0.5445957	0.42503393	0.40853193		1.983338305	0.6945092	0.408019037	0.0723301	٠.	0.8104118
Cytochrome P450 11A1	1.0803014	1.1642568	1.1394004	1 24 44 0 6 6	1 1104802	0.625/114	1.0238/10	1.020207	0.84208286	1 1134781	-1-	٠.	1.365613
Phase-1 MC1-1/5	01000077	1.0092630	0.004/030	1,214 1833	1.1104032	0.3330403	4 050004	4 453077	0.8070352	0 8796454	4_	+-	0 91279817
Phase-1 RCI-117	1.152223	1.15/2380	0.90347383	1 205450041	0.00676466	0.00113733	1.0092910	0 00007734	0.75121916	0.759068	1 1532505	-	1 1353768
Phase-1 RCI-13/	9.78882223	1,2008/3/	4 0770826	97301085.1	4 0088544	1 8088708	0 99410295	0 9981464	1 09723	1.251004	0.9720487	1.0413418	89330137
Description of Description of the party of t	0.0203012	0 0847056	0 9085255	0 88917597	0 9742653	0 7860527	1 1598688	1.0943879	0.9841975	1,1685371	0.9177635	-	0.87265795
Dhase 1 DCT 453		4 3991824	1 461849	2 4885514	3 0584192	2 1494024	0.9287474	0.8689169	1.087118	1.1847248	0.85516584	1.0164545	1.0511379
14.3.3 zeta	0 93064713	1 0259876	0.7577298	1.1433519	1.307878	1,21656	1.1839417	1.1401983	0.9397132	1.3926954	1.0973746	1.0937468	1.253323
Cytochroma P450 2023		0.31689978	0.10101736	0.31811464	0.2227116	0.14021212	0.69470066	0.76110315	0.4772709	0.63413876	0.9930595	0.6998452	1.4524951
Voltage-dependent anion channel 2 (Vdac2)	1.0582712	1.2622952	1.2053946	2.2961108	1.8094178	1.772306	1.1690981	1.2003773	0.72649058	1,4765191	1.0772991	1.0489185	1.077714
737 1000	4.0000442	710000	230500	4 604900E	1101011	4 1207007	90230000	0.0578501	1 115014	1 1224256	1 0526112	1 0315523	0.8123731
Phase-1 KCI-134	1.0083412	4,000,00	4.303030	4.0043003	9.004440	9.100/88/	4 4644005	4 4525082	0 83817801	1 1752942	0 9713585	1 0028958	1 7931311
Superoxde dismusse Mm	1,2421241	1.420933	1.1/09/33	2.0132803	4 6929238	4 4499554	0 95330536	0 9119935	1 6357814	0.896512	0.9532857	0.9444976	1,0541184
C-myc	0.0024728	0.3001030	0.04055257	4 4805680	1 7202081	4 2152242	0.000000	0 9100253	1 0893067	0.9824916	0.9433623	_	0.90562934
	0.08051700	1 6124706	1 2798419	9.440135	R 628878	4 770808	1 2665889	1.2254753	1,5915552	1.2039192	1.1884351	-	0.927368
lin BS	0.9936981	1.0504888	1.0634937	1.2686764	1,2398617	1.209279	1.0152187	1.0595907	1.337788	0.97850174	1.0168499	Ŧ	0.8879604
	0.88022634	1.1633922	1.0944346	1.3175641	1.8704671	1.6200306	0.9119639	0.90687495	0.96416485	0.9555383	0.8967571		1.0585759
se-1 RCT-205	0.9056635	0.9776244	0.96643406	0.93568054	1,4146328		0.93763334	0.9175087	1.1424887	0.8525526	0.92307687	_	0.83105266
Phase-1 RCT-68	0.97528446	1.0317582	1.0428107	1.2016842	1.3639582	1.1215438	1.0802022	1.062245	1.2459819	1,5620099	1.0761513	_	0.88696593
Caspase 3	1.1775268	1.062382	1.1106133	1.0810847	1.077752	1.0425097	1,229417	1.1203736	1.1332345	1.0063554	1.0/65318	0.9036043	17/00/07/
Alpha-fubulin	0.99877465	1.2440376	1.1698172	1.309845	1.2064003	1.2001715	1.1132717	1.0914769	0.8898389	1.0694051	1.1303300	1.1130033	1,010041
Ribosomal protein L13A	1.2428577	2,2039905	2.1535406	3.2626903	3,2222893	2,5970268	1.4579102	1.6483915	0.8601038	1,00000	0.667 7080	0.303/0004	0 7640336
lgE binding protein	1.0970899	1.2579374	0.9718072	1.781124	2,930634	1.5511414	1.0512024	0.93985355	1.3093/3/	1 1017/82	0.8910405	0.920002	0.0053082
Phase-1 RCI-39	1.1249387	0.94596687	1.190913	1.2011948	1.309/49	4 0400050	1.0443001	A 887589.0	0.8077004	1 0777763	1 1043705	1 1772711	1.0556089
Comin	1.0442124	1,430102/	4 0663074	1 0808014	7,500,67	4 440804B	0 9534873	0 8807262	1.1531132	0.83528835	0.93935384		0.83805525
Dhaca 1 DCT 244	4 1735768	1 3009681	1 21 19621	1 4434941	2 8054178	1 6259654	0.88828295	0.8516127	1,2378597	0.98228836	1,0886003	1.0945207	0.954865
Ribosomal profein S9	0.944808	2 0597034	1.9918705	26471243	1.9152645	2.0636494	1,0059747	0.95524528	0.7100438	1.3048372	1.1824393	1.1062683	1.6887826
Phase-1 RCT-258	0.9739963	1.0581328	1.0956938	1,3856968	1,3913066	1.2058332	0.9523556	0,9593832	1.2935637	1.0043358	1,0006169	1.1131915	0.8311171
Argininosuccinate lyase	1.0318185	1.1400254	1,2545941	3,0696962	5,4212594	2.3782387	1.1350992	1.277719	0.9853934	3.3298848	1.3016456	1.3681621	1.2406984
Phase-1 RCT-180	0.90037787	1,1296495	0.9405158	2.0179589	1.9922869	1.7307063	1.0763104	0.83116623	0.9008316	0.9629032	ıσį:	1.1933385	1.0168844
Multidrug resistant protein-1	1.1624674	1,6557432	1.9675676	5.0458617	7.384141	7.3518043	1.1213814	1.0503424	0.9900291	0.99558103	-	0.96893815	1 233/555
Omithine decarboxylase	0.9590167	0.7149722	1,210663	1.7995785	1.8088492	2.528514	1.176092	1.1380397	1,2392683	1.6271954	1,2315495	æ١٠	0.94136804
Thymosin beta-10	1.2473649	1,6998695	1.5861318	2.4944253	2.0289629	2.0181258	1.3100605	1.4969864	0.8640092	1.3471377	0.8864974	1 0230004	0.6708054
Phase-1 RCT-72	1.0436133	1.0338454	1.1772991	1.7775879	1.6667311	1.522107	0.92066723	4 4070030	1.2706705	4 4408234	0.95378015	0.0817487	1 4736047
Phase-1 RCT-109	0.8540916	_	1.8740226	0./36/000	0.84400970	0.9526925/	1.3000000	4 2057637	1 1716533	1.3541605	0.86009085	1 0918459	1 1952624
Phase-1 RCI-/6	0.9456143	4 245877	0.87487715	4 3008557	7 0100001	1 2481137	A 7916371	0.8444643	0 92015636	1.3448346	0.928995	1.1769968	1.0581621
Vacuole membrane protein i	0000607670	1.0100.	U.0600010	1000000	£.V 1000071	1,4101,41							

		L											
Phase-1 RCT-158			1.0038565	0.7720175	0.9071053	0.87791145	0.9775689	0.8634755	1.4385029	0.9119408	1.0664884	0.9881818	0.796354
Phase-1 RCT-113	0.97354954		1.1812654 1.2387434 1.2205924	1.2205924	1.6178333	1.1926838	1.223645	1.1410019	1.223645 1.1410019 1.2681078	1.4677118	1.4677118 0.9788527	1.1394359 0.95120066	0.95120066
Endogenous retroviral sequence, 5 and 3	0.9027519	0.0027519 0.87735987 0.99999994	0.99999994	1.0143306	0.90660965	0.7128742	1.213356	1.2235526	0.8279691	2.3012395	0.8011342	0.7676363 0.94191647	0.94191647
LTR													
Beta-actin	0.9697028	1.425739	1,425739 0.94162154	1.750575	1.265545	1.5824912	2.3040056	2.0273225	1.07393	2,7878108	1.2672379	1.4041195	1.2431613
Phase-1 RCT-65	1.043522	1.0860897	1.1386333	1,3903891	1.0703056	1.2085007	1.1739428	1.1806263	1,3234937	1.6624568	1.1367786	1.0949265 0.72533023	0.72533023
MHC class I antigen RT1.A1(f) alpha-chain	0.95949954	1.5004892	1.8067527	1.6289176	1.8789735	1.5991728	1,2818154	1.4500879	1.1003578	1.3148192	1.0803581	1.0627859 0.7898967	0.7898967
Bax (alpha)	1.0679818	1,332116	1.4372963	2,6248136	3.9086614	3.0786192	1.2385264	1.2369996	1.3569362	1.2693458	1.2693458 0.93384796	1.0653334	1.1471728
Carbony reductase	1.032963	0.944806	2,4768586	0.9190734	1.1011152	1.1157993	1.1157993 0.94476664 0.88366693	0.88366693	1.4660344	0.99531305	0.946986	1.002473	0.90565115
Beta-actin, sequence 2	1.0368975	1.516129	1.1618828	2,5218012	1.478957	1.7546809	1,2332537	1.0877949	1.0877949 0.97029008	0.92969763	0.9317649	1.1341707	1.1697994
Interteukin-10	0.9796477	0.9964011	1.1390786	1.1390786 0.94450516	0.99678594	1,2259692	1,0643572 0.99761665	0.99761665	1.2399129	1.0596876	0.9074315	1.0555445	1.3393159
Phase-1 RCT-191	0.9129049	0.9922228	0.9284492	1.336952	1.4646564	1.3259895	0.97059685	1.0260553	1,3154	1.0503707	1.0233644	1.0512861	0.8547019
Phase-1 RCT-111	0.84275585	0.97371393	84275585 0.97371393 0.78760904	1.1292341	1.0621108	1.019894	1.3445319	1.343094	1.2443621	1.4299519	0.9475597	1.1287097	1.2883321
Apoptosis-regulating basic protein	0.85304534		1.2013282 0.76688313	1,2381985	0.9529141	0.79365337	0.92534095	1.0049518	0.8887545	0.98230964	0.97182816	0.9703873	0.9615398
Glutathione peroxidase	1.0181545	0.82791847	0.7704902	1.0172722	0.4850058	0.5103364	1.0462865	0.99859995	0.99859995 0.65826696	0.42864376		0.54906553	1.1009935
Phase-1 RCT-239	0.8709341	0.9535451	1,0813566	1.259676	1.1736157	1.6064131	1.1130126	1.1102828	1.3730361	0.8380306	0.8380306 0.97685313		0.71939546
Phase-1 RCT-67	0.94170463	L _	0.8195927 0.87662584	0.8473613	0.7991966	0.776532	0.9144961	0.9752032	1.3975861	0.75212514	0.75212514 0.8959288 0.89959407	0.89959407	0.7825044
Tryptophan hydroxylase	0.9486884	0.9486884 0.94634265	1.027837	0.9484835	0.9156227	0.8285416	1.1088933		1.1084284 0.8539998	1.1643839	1.3318605	1,1031317	1.1438615
Sulfotransferase K2	0.77890056	0.67853093	77890056 0.67853093 0.54878366 0.51699126	0.51699126	0.6135232	0.81896603	1.0654058 1.1530807 0.78613573	1.1530807	0.78613573	1.1638468	1.1636468 1.1086125 0.93826765		1,0137986
Calgranulin B9	1.1328754		1.1255927 0.87797755 0.8397562	0.8397562	0.75175935	0.6307621	0.8701226 0.84653497 0.90812653	0.84653497	0.90812653	0.73103	1,0793505	1,0793505 0.88315787 0.74987143	0.74987143
Phase-1 RCT-123	0.8500373) '	0.9463656 0.8279407	1.0456605	0.87194	0.9461917	0.9461917 0.89357257 0.84965116	0.84965116	1.1602521	0.92441034 0.95812714	0.95812714	0.9684989	0.84921455
Phase-1 RCT-98	0.845746	0.9947755	0.8969084	0.9381064	0.8153956	0.8441597	0.9837325	0.924431	1.1709325	0.9530799	1.0046631	0.9405588	0.8584563
Aquaporin-3 (AQP3)	0.88066345		0.8550177 0.89331007	0.8123487	0.747896	0.8408249	0.9468608	0.8982902	1.149028	0.91994816 0.98127615	0.98127615	0.960515	0.960515 0.79357755
Stearyl-CoA desaturase, liver	0.7770879		0.12003585 0.16934863 0.06016436	0.06016436	0.09470315	0.04473025	0.4584087	1,4982961	0.34565786	1.4982961 0.34565786 0.055592522 0.08423947	0.08423947	0.2571235 0.18653493	0.18653493
Phase-1 RCT-64	0.9198175	0.6501602	0.4911111	0.4075763	0.3080581	0.37196994	1.1396965	1,018915	1.0039473	1.0039473 0.66218376	0.8711778	0.8696717 0.85274726	0.85274728
		,											
(1) Gene expression data for 24 hour													
timepoint are presented as mean ratio of													
treatment/control for all 24 hour predictive openes (Table 5).													
(2) Compound and dose abbreviations as in							-						
Table 1.													
(3) Individual animal number													
(4) Liver inflammation dassification for													
compound-dose group at 7.2 ii. yes-hed.													
inflammation observed; no, no histopathology						•							
observed													
(5) Predictive gene (as in Table 5 and as included in Table 26)					· · ·					-			

Table 29. Expression Data for 24 Hour Timepoint (1)													
147		П		П	П					П		П	
Compound-Dose (2)	CYCA 20		CYCA 80				DEX8				DEX 38	_	DIF 25
Liver Toxicity Inflammation Classification (4)	01	6	2	2	- 436 - 10	1344	1345	1346	1354	1355	1356	242	245
(3) 0 000 (4)													
Gamma-actin cytoniasmic	1 0745239	1 0903769	0 98124166	1 3817678	0 9044261	1 0504787	0 9983521	1 377R21R	1 2407049	1 0015125	1 184771B	0 0755414	1 1522991
Phase-1 RCT-145	0.8580293	0.84039456	0.9526797	1.0197982	0.9157196	1.0950401	1,1128432	1.0872256	1.0149844	1.0494667	1,035229	1.023923	1.1503525
Gadd45	0.898972	0.9870908	1,1308373	1.6655682	1.1475778	0.8988565	1.1327127	0.61942	0.9538803	0.751423	0.78809977	0.8870292	1.0341849
Phase-1 RCT-78	1,3069156	1.167088	0.97891825	1.1266862	1.0271409	0.9016074	1.047702	0.95241886	0.8143447	0.8395853	0.94153935	1.2881388	1.0054765
Fas artigen	1,3964238	1.6514571	1.0852808	1.5930828	1.3967149	1.1093762	1.0405878	1.209605	1.3190597	1.0495738	1,2463725	0.8307147	0.9383163
Macrophage miannimatory procein-∠ alpha Intecnin beta1	1 0899867	1 1697558	1.2305254	1.1006483	1.3060907	1 3221288	4 4 4 8 6 3 8 E	1 1277E16	1 45442R3	1 1433584	1 1473787	0.90868435	0.852841
Phase-1 RCT-207	1.0595306	0.8409313	1.1121846	+-	0.85340025	1.4934056	1.1954647	1,4177584	1.9695834	1.4322838	1.6315132	0.8998502	0.831024
Aspartate aminotransferase, mitochondrial	1.1472163	1.15753	1.2215959		1.1910645	1.0848434	0.8319336	1.1122069	1.0257474	1.0047063	1.0727255	0.97087246	0.9231978
Casein-alpha	0.78269327	0.7482339	1.108623	0.85248625	0.8625127	1.2160432	1.1297072	1,1567578	1.2928911	1.1922562	1.1291968	1.1380421	1.0896225
Malic erzyme	0.6679539	0.6937668	0.75793225		0.5189262	0.8629787	0.9793479	1.0296935	0.97387004	0.85722774	0.84363836	0.90268356	1.5387187
Phase-1 RCI-30	0.68500787	4 4692030	1.0757288	1 5225241	0.78392947	2.942094	0.9463048	2.0264916	3.270158	3.5476508	2.5618885	1.1773324	1.0932039
MAP kinase kinase	1 0801458	1.0635779	1 0474159	1 2201722	1 1015418	0.8850357	1 043164	1 0269703	1 1179563	0 87075317	0.8949223	0 9054016	0 9912857
Sodium/glucose cotransporter 1	0.8797526	0.795236	0.7622598	0.8268798	0.9881994	0.9526177	0.9821983	1.0472375	0.97662365	0.97955555	0.94696087	0.6682857	0.6136501
Phase-1 RCT-27	0.57025605	0.859726	2.0736532	1.4296077	0.6832893	-	0.77883804	0.7451283	0.8625036	0.9539212	1,3127195	0,49339083	1.0311972
Phase-1 RCT-50	0.9605634	0.8938182	1.0644314	0.9487388	0.9041121	1.1780765	1,0487024	1.0769858	1.1814307	1.1186703	1.0143969	1.1409343	1.0833458
Phase-1 RCT-192	1.1163645	1.1802254	1.0971167	1.1832418	1.3586617	0.9336989		0.8912228	0.9132519	0.91144097	0.8665707		0.9036466
Prisse-1 RC1-288	1.3390166	1.198772	0.7762905	0.9089493		0.94367874 0.88052344		0.75796336	0.8613958	1.0593352	0.9401083	_	0.74631274
Organic cation transporter 3	1.1485786	1.2880225	1.1503327	1 4467344	1.196245	1 1565741	0.8840005	1 001734	1 2119286	1 1081155	0.9716886	0.76857245	0.8420173
60S ribosomal protein L6	1.1172074	1.246229	1.0751581	1,4194587	1.1461912	1.1265074		0.98833084	1.2490304	1.1080885			0.86561424
Zinc finger protein	0.80139434	0.967137	0.9269166		1.008149	0.93357736		0.94423795	0.8712403	0.8712403 0.99134576	0.94905835	_	0.91818416
Calgranulin B2	0.81670403	0.8279605	0.9338373	\rightarrow		_	0.96735203	0.8527429	0.68660533	0.73552936	0.6389192	0.9439342	0.9730548
D-1	1.0849609	1.0751164	0.88596576		0.9649399		1.1538845	1.160872	1.1738592	1.1933732	1.1359069	1.1631093	1.1715382
Plase-1 RCT-115	0.8620/01	0.6809293	1 1519436	0.004863	1 009252	1,4860952	1 1850419	1 3397477	1.0855581	1.1530167	1 2469487	1.2324997 1.72378	1.1045401
Matrin F/G	1.2102444	1.2889785	1.1718001	1.2187382	1.4787639	1.1675302	1 2290709	1 233895	1 1326349	1 2895017	1 2039557	0 7044983	0 7401431
Mutt. homologue (MLH1)	0.9565832	0.9742227	0.8851123	0.86185473	1.0076896	_	-	0.85413095		0.96384585	0.9695266	1.2703248	1.0603034
Phase-1 RCT-79	0.74328697	0.7713702	1.0343546	0.9110253	0.9408113	_	1.0386515	1.0106294	1.2849432	1.1684184	1.0738051	0.9684017	1.0293635
Sorbitol dehydrogenase	1.1259893	1.2606628	0.9952699	1.2823498	1.3262658		0.95114046	0.9743342	0.955675	1.0102849	0.97249498	0.9024248	0.87928283
Phase-1 RCI-24	1.130/1/6	1.2480134	0.8827383	1.0667393	1.1271156		0.93595195	1.4813714	1.6382496	1,3259889	1,5385847	0.9570155	1.6051441
Floroation factors, Johns	0 96901953	1 0044580	0.89620084	1.4241340	7800000	1.0614146	1,000023	4 0005479	1.141/158	1.1499153	1.0125271	4.0740E78	1 002/808
L-gulono-gamma-factone oxidase	0.6397069	0.7580304	0,670311	0.6397245	-		0,75596833	1.0206794	0.9258762	1.0382137	0.97312564	1.0264962	1.2316203
Phase-1 RCT-33	0.943084	1.3082712	0.8549936	0.9939307	1.212808	0.8485021	0.83716697	0.8621183	0.7999304	0.84869444	0.9205629	0.6922109	0.81229883
o-lun	0.9763591	1.0821173	1.1570456	1.019149	1.0372682	1.4035677	1.3333827	1.3333013	1.7341735	1.3622386	1.3648615	1.1261715	1.1144154
Phase-1 RCI-233	1.0905813	0.9134379	0.6539876	0.71141917	0.8104286	1.1973562		0.952452	1.0457715	1.0559369	1.1098399	1.0840188	1.3359737
Phase-1 RCT-36	0.9264725	1.1017169	0.9258663	0.9367098	1.0599449	0.7668174	_	0.94119775	0.7624822	0.8541378	0.9035047	0.89854264	0.93919253
Phase-1 RCT-181	1 171687	4 4700705	1 0028446	1 0454000	4 0035727	1.1110900	1.1536302	1.1005491	1.3228401	1.3140354	1.2109123	1.1442851	1.1985283
Phase-1 RCT-185	0.92351246	0.90848994	0.7178328	0.7532542	0.7056111			0.72207286	0.64822245	1 60	0.88231165	1.3714492	1.101825
Phase-1 RCT-179	1.0298331	0.94012225	0.790566	-	+			0.7789137	0.82801825		0.85681975	0.7720468	0.8935874
Phase-1 RCT-144	0.9665857	0.8624127	0.8728544	1.0502961	0.85489565	1	1.0228603	1.0279365	1.0068527	0.92406505	0.99711704		1.1018745
IKB-a	1.0406927	1.1221793	0.79003286	1.0581249		1.2772547	0.8444852	1.2714325	1.331598	1.2245946	1.1809969	_	0.91538817
Phase-1 RCI-225	1.095809	0.97764224	1.0474476	1.0535673		0.70494205	1.0897186	0.8227121	0.64412445	0.6502419	0.5730928	1.076926	0.8331614
bus nodsorrar procein Lo (atemare cione 1)	1.0898371	1.21699	0.9/310203	1.3840315	1.1102005	1.864099	0.9601462	1.3303138	1.6762054	1.7611854	1.5705056	0.8197972	0.869869
Beta-tubulin, dass i	0.89261997	0.98078185	0.59088033	0.71956843	0,7875911	1.0709851		1.5008382	1.5112339	1,2313545	1.233854	1.2451168	1,9649289
Multidrug resistant protein-2	0.96252924	0,9865633	1.2161293	1.2592363	1.0002177	1.390414	1.361758	1.3981218	1.5249064	1.3481936	1.3526287	1.02338	1.1054993

07 1001	100000000	0.0000000	90022000	130055000	0000000	0.0507477	4 0442672	CACCACO D	0.8048478	0 80147701	0.04580805	0 00054374	0 97881585
Calciandin B3	1.0046576	1.1963956	1.2202446	1,2503719	1,2359508	1.4176707	1.1132253	1.3200431	1.9172125	-	1,5040355	-	0.97454774
NADP-dependent isocitrate dehydrogenase,	1.1761235	12011366	0.8708404	1.1200138	1.1639205	0.9600567	-	0.78248703	0.6664904	-	0.78503476	1.0874642	1.0622396
cytosolic		,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,	. 400000	,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,	1 100000	20126102	90700000	2 4300000	0.0000000	2 4892025	4 7464702	0.0057088	0 8854380
Octamer binding protein 1	0.9610705	1.1003861	1.1999364	1,01/041	1.1206186		0.63509460	2.1300039	0.6005084	0 9612721	0.4591997	0.8831088	0.8168652
Sodiumybile acid couransponer	1.1035233	0.0470200	0.40/00893	4 0005424	-	4-	_	0.3301000	0.000000	+	0 8300330B	1 3118658	1 23785R4
Phase-1 KCI-1/4	0.80621495	0.84723386	0.7014700	1.0035421	-	0.0044004	_	0.09044555	0 7765704	_	0.80966747	1 2507748	1 2101877
Phase-1 KCI-7/	1.165/381	1.1402133	0.592/6/1	1.0727463	1.007/2042	4.204020		0.03034077	4 0582046		0.88563156	1 4883032	0 0004245
Inositor polyphosphare muturinase (Ipmik)4	1.2332034	1 0267929	0.41603515	0.85307133	0.0194832	0.9512078	0.9343951	0.9522353	0.99817893	+	1.0157588	_	0.96746268
Fullhative nimberzythiologine-sensitive	0.92443955	0.8377082	0.74950397	0.83477876	0.7928226	0.6147467	_	0.56849325	0.3963633	0.5255498	0.6012438	0.990347	0.8051648
nucleoside transporter												_	
CDK102	1.2209309	1.1735921	0.80741584	1.0521826	1.1242399	1.2018044	1,012886	1.0199283	1.2485787	1.1901474	1,041217	-	0.92584443
Phase-1 RCT-209	0.8382675	0.8087604	1.2472715	0.83424073	1.0342845	0.766727	0.8829682	0.7633586	0.61470354	0.7724785	0.740865	0.9775442	0.9864036
NADH-cytochrome b5 reductase	1.1629076	0.9746917	0.76472807	0.7550102		0.72368306	_	0.78858346	0.70755637	0.7378865	0.7880528	1.0253376	0.98977226
Dynamin-1 (D100)	1.1071768	1.0250887	0.83649787	0.83273196	-	1.0419639		0.9604431	0.98289144	0.9810203	1.0125628	0.88978034	0.8956808
Senescence marker protein-30	1.1176964	0.9005888		0.67977047	-	-	-	0.24383912			0.15/7866/	-	1.1221/26
Phase-1 RCT-89	1.0946219	0.8981101	0.7978234	0.90688086	0.932035	0.8632377	0.82996446	0.8372636		-	0.82313204	_	0.84280735
Camiline palmitoyi-CoA transferase	0.92144376	1.0596149	0.8805389	0.8907098	0.93787193	1.2171605	1.3648597	1.4197663		1.98240/87	1.1180823	1.1000844	1.0426222
Alpha-2-microglobulin	1.075236	1.234017	0.4731546	0.44/11518	0.000/30000	1.4934930	1.2/23401	7320000	97676767	00111001	0 0800838	4 24553342	1 0541718
Apolipoprotein Cili	2/C8001.1	1,004538	2011910.1	1.0141103 0.63677043	1.043/302	1,407000	201012	4 0000000	4 4626244	4 4004000	0.000000	V 8208744	0 042307
Cathepsin L, sequence 2	0.9187442	1.053285	1.325/72	1.6699927	12260942	1.12/8693	0.7/8/205	1.0936381	1.152014	1.1834022	4.0042046	0.02307 14	0.012201
Phase-1 RCT-141	2.3370142	3.4748492	3.323185/	4.632/985		0.9497877	0.8603333	1.000000	0.83020830	1.0012014	0.7540000	0.0338304	4 0882224
Phase-1 RCI-289	1.2823828	0.95459760	0.76563665	0.734216	0.8589550	0.70544300	0.0023282	0.1143944	0.0312143	-	0.75228194	0.8520304	0 9259817
Endotherin-1	70046769	1.1508330	1.0400443	0.9455400	0.84283870 0.48780444	4 44 280 494	4 420530	1 0818352	1 464227R		0.0559118	1 0457143	1 0712075
Prase-1 RC 1-282	0.70940703	4 0242522	1.0134071	4 0424578	4 4054724	4 2004878	1 0067274	1 1880207	1 8570951	1 3394581	1 416798	٠.	0.95899653
Carried Activity	0.8334631	0 7496424	0.88205543	0.63638448	O SERVEDA	0 8888921	1 1961131	1 0818427	0.5589237	1.4480018	1 2840378	72	1.1081456
Cydin Or	4 0072244	4 2364023	4 0558448	1 2374478	-	0.0000021	1 043259	0.05586028	0 97021854	0.9105705	0 79337823	1.1138699	1 051129
Phase 1 RCT-281	1 1143911	1 251439	0.9262595	1 1227831		0.59806424	0.9223145	0.6730867	0.56847605	0.71089303	0.5886727	0.741621	1.0153148
Refinel-binding protein (RBP)	1,3301706	1,1224504	0.79538137	0.9964808	0.95522934	1.1973971	0.8678784	1.1850426	1.067.7011	1.1995751	1.120872	1,2005382	1.0835228
ATP-stimulated obscoorticold-receptor	1.1486589	1,0945504	0.92415833	1.1291877	0.92362005	0.75275886	1.0492641	0.8832534	0.5051629	0.65556175	0.649808	-	0.8384268
translocation promoter (Gyk)													
Phase-1 RCT-60	0.9888804	1.0207963	0.9213362	1,0897968	1.0216076	0.98714006	1.1033844	1.1965562	1.2586281	1.0970411	1.122817	1.0703392	1.2597932
Pyruyate kinase, muscle	0.76809984	0.902185	1.0471885	1.2491783	0.9838086	1.2887633	0.9414723	1.2636769	1.2105728	1.2483457	1.1593304	1.0172545	1.2189789
PAR interacting protein	1.0354124	0.9345446		1.0633708	-	0.95789874	1.0499667	1.0014151	0.95355475	1.0086327	1.0243137	_	1.0712777
Nucleoside diphosphate khase beta isoform	L	1,4085383	L	1.5273639	1,5307045	1.0921172	0.882027	1.1286196	1,3731439	1,1275012	1.0549165	1.0344825	0.98568773
		4	0010017	, ,,,,,,	4 000 0000	7,0000	4 40 440 20	4 4440554	4 400424	4 4070000	4 205811B	4 20RADOR	1 1358725
Gaddiss	0.013130	1	1.1300330	1.10/3031	1.023017	CH461 67'1	0.0054600	1 0644784	4 042838A	0.1010300	0 97397095	0 5834418	0 6609483
Insulin-like grown racor briding process 1	1.406641	1.42/303/	1.1033003	1 970005		0.7347537	0 94246083	0.8874112	0.804673	0.7479881	0.70300907		0.72325706
N-hydrox-2-scetylaminofttombe	1 0513389	۲	0.6630721	0.7701613	0.5906033	0.70973957	0.7082622	0.47482076	0.41800648	0.57726085	0.61811346		0.75225455
sulfotransferase (ST1C1)		_											
Phase-1 RCT-52	1.150222	1.012461	0.59263515	0.7931949	1.0602552	0.8279913	0.8894288	0.76785254	0.7786338	0.7682724	0.8377238	돐	0.99696314
Apha 1 - inhibitor III	1.1048896	Ц	0.55278397	0.57809204	0.5363697	0.51709056	1.1284292	0.6118412	0.49552074	0.84353086	0.55398333	1.4102213	1.1390623
Sterol carrier protein 2	1.0309416	_	0.96672446	1.1973995	1.0678942	0.6661981	0.7685371	0.6565398	0.6457644	0.6457644 0.63709015	0.6321107	0.83367574	1,0140433
Organic anion transporter 3	0.94784566	9	1.076507	0.9376372	0.879915		0.88467814	0.7035663	1.2976725	1.0973067	1.0853356	1.2188452	1.1004206
Cagranulin 84	1.2062724	1,1203108	0.9383328	_	1.2228559	1.0542988	0.9636431	1.0238752	0.91097	0 80580777	0.830530	4 0480123	1 020011
Phase-1 KCI -182	7.2396332	0.9704638	73369124	_	CORONIA O	1.090507	1.0905079 0.90125007	4 0774048	1 258839	1 1818492	1 235589	0 8724914	0.9650572
Cagnanum Ba	4.0006740	4 #620606	1,024766	4 4250000	4 2268202	1.0900000	1.0900000 1.91114324	1 0504354	7753000	1 0320721	1 001144	-	0.87641096
Phoeniyue denyuropenase, mudosoman	4 3334287	4	0.86181706	0 7879093	0.9581407	1 020385	0 83463925	0.9647681	0.9719711	1.0037056	1.0275246	+-	0.91153806
Dhara 1 DCT 102	0 0303333	۲	0.83356566	Ľ	0.33435336	0.8534954	0.6534954 0.91089076	0.6782553	0.51601034	0.6908931	0.7054934	٠-	0.976449
Premodhimin segrence 2	1.0023577		0.5089981	_	0.725137	1.0308326	1,02269	1.0347441	1.0465282	1.1600777	0.9944789	1,3818153	1.2559588
Apolipoprotein Ail	1,3423833	1.342044	1.3373176	0.7873854	1.3022445		0.78948534	0.48210308	0.48923618	0,5953412	0.4860268	0.66307074	0.59283775
Phase-1 RCT-10	1.0683129	1.0538461	0.835011	1.0303397	1.0437032	0.9540341	0.935358	0.9061086	0.8158517	1.0148817	0.9700916	1.0938193	0.02528565
Phase-1 RCT-48	1.3178322	1.0085266	Ш	0.75137854	0.8254458	0.84574676	0.80186578	1.1125082	1.0186676		1.0271327	1.382412	1.2894795
Phase-1 RCT-8	0.9870098	0.7955531	0.53496738	0.59557605	0.74220204	0.8379938	1.126446	1.040724	0.86236393	1.0514843	0.85104825	1.4837953	1.4177071

			ŀ					12000000		33000000	0.000040	0.8708043	1 0071242
Phase-1 RCT-168	1.2283272	1.2926707	1.0122651	1.2914813	1.0922012	0.8313901	1.0215536	0.90090303	0.7791800	1 1609735	1 240619	1 1831139	1.0365148
Phase-1 RCT-88	1,0259602	-	0.97495264	1.0264654	4027/128'O	9	+	0.03756	0 6424538	0 8478703	0.67362994	0.92009616	1,2033281
Beta-alanine synthase	1,5688349	1.3963869	1.ZZ06/1/			1/08010	٠,	004004000	_	+-	0.59820166	0 85791844	0.906794
Phase-1 RCT-296	0.7476022	0.47660735	0.25834763	-		0.51014346	_	0.3445/433	٠,	-1-	0 15004124	1 2480069	1 3518391
Carbonic anhydrase III	1.1372169	0.47953582	0.26861688		0.20283/18	C5C80/0Z.	0.0004332		_		1 076194	1 0858755	1 0995327
Phase-1 RCT-291	0.9332075	0.89580595	0.91391534	0.8513173	0.942/4/06	1.1301921	0.9001480	0.87553734	0.8811641	1 0836886	1 1523333	1.2726803	1,0961615
Carbonic anhydrase III, sequence 2		1.0932542		1.0377827		_	_	0.07003854	4 48K4102	1 055208	0 9271801	1 2774917	1,262436
Phase-1 RCT-271	6124	0.92236404	0.70205577	0.45003437	7340607	4 1268018	-	1 688407	15119076	1.6315502	1,5197893	1.3845242	1.2408758
HMG-CoA synthase, mitochondhal	0.6163180	1.0093333	4 0400607	1 0475788	1 219883		1 3702589	1 2251792	0.9858558	5	0.97109205	1.0821101	1.0649163
Phase-1 RCI-189	1,1144432	0 9759463	0 6401215	0.87254435	0.8782629	0.92371213	0.9971122	0.9367893	1.0670831		0.97558814	0.92258084	1.0001905
Present RC1-40	1 1784551	0 98195654	0 6893018	0.82392615	4	0.65994177	-	0.52446467	7		0.50690248	0.71140593	0.7100032
Omisiy protein & precusor	0 0117747	0 79010836	0 59526104			¥	0.73287874	0.57232845	0.48379335		0.5960118	0.97979563	0.8334145
Paraoxonase 1	4 9457	0.05346826	0 36454397		-	4-	0.83462894	0.509371	0.38970518	0.44396743	0.46688688	0.7139377	0.7581012
Cher rany actuming protein	ananan t	0.7690R174	0.5510523	0.5630878	-	100	1.126344	0.6183067	0.46381918	0.6318533	0.55165017	1.438539	1.1508042
Presentin-1	0.0000000	0 0408601	0.78131175	0.8573137		1.079758	0.8578972	0.95235527	1.0642976	1,2117375	1.044451	-	0.90169984
Hase-1 KCI-36	4 2004064	0.0944062	0.00667294	0.84203523	-	0 82327455	1.0886072	0.8980894	0.9614574	0.8721803	0.87336767	0.9461792	0.98082736
Hase-1 KCI-2/0	1.0001031	ATC8610	0 9474857	0.41231176	-	0.5974794	1.007511	0.6963937	0.85095365	0.5647217	0.60172385	1,2602017	0.80818877
Iransunyean	0 0205706	0 07/707	0.85/3048	0 824842	0.690928	1 0539937	0.662697	1.124715	0.8159776	1,2627561	1.3783838	0.69510657	1.0888205
Heparic lipase	4 0986078	0.77506036	0.76346608	0 68 19734	0 85501915	E	0.70188135	0.55056906	0.82486705	0.43007913	0.5944328	0.67696154	0.7944946
Cytochrome P450 71A1	4 4 4 4 0 4 72	4 4242033	0.03352145	O RS9RAGE	1 0438634	-	0.8191441	0.71826977	0.64082425	0.80974346	0.7337374	0.9675637	0.94577
Phase-1 RC 1-1/3	4 5404506	4 3473457	4 20R7R4	1 3426329	+-	+==	0.70457405	0.8635302	0.6457098	0.8530837	0.69925433	0.9614768	1.1962621
Hase-1 RCI-11/	1.0104000	0.02503706	240000000	0 8199969	-	_	0 65749377	0.62638645	0.5995761	0.6085627	0,56013733	0.8410449	1.0189394
Phase-1 KCI-13/	1.0339992	4 0037003	0.710303040	1 4547249	. 1	0.86750203	1.1849553	0.96422774	0.94398516	0.86280257	0.86577123	1.2606784	1.1498673
Melanoma-associated amgen ME431	0.00342073	4 0254021	0.8052338	0 88117045	0 8861383	-	0.85834633	1.2869905	1,5661703	1.227762	1,2866415	1.1713469	1.3823446
Phase-1 RCI-12	2/02/016.0	1.0204031	4 050000	4 4264072	4 0865071	1 0188305	0.84096324	0.85160226	0.9838529	0.91070384	0.9069822	0.7159046	0.782513
Phase-1 RCT-152	0.99307036	1.0813404	1.0302707	4 4464690	1 0403971	-	4 1877504	1 2318062	1 2250646	1.099514	1.220174	1.0377859	0.9862049
14-3-3 zeta	1.0906231	1.1158351	0.90104234	0.0151333	9785876	0.40878305	0.61470765	0.34091064	0.2952921	0.5013147	0.47553447	0.99407655	0.9275265
Cytochrome P450 2C23	1.08/53/	0.8162//0	0.01700047	4 0003426	0.001103010	_	10431111	1 1205034	1.2532243	1.1271898	1.0429481	0.96684897	0.9548269
Voltage-dependent anion charities z (vdacz)	1.0427.300	e nenn'i	7000										
Dhaca 1 D.T. 154	0 9002547	0.94119155	0.923289	0.99318737	1.0141993	1.1175152	1.089165	1.0468183	1.0385841	1.0408214	1.0267228	0.9850259	1.0558666
Successide demitise Mn	1.3136995	1.4579132	1.4575801	20912316	1.9115899	1,3760265	1.1935889	1.2892783	1.5199355	1.2704139	1.2275697	1.1046427	1.1082655
Superoxide districted min	0.9413008	1.2570727	1.2432101	1.2089269	1,1163868	1.2691678	1.3219734	1,4357251	1.4392366	1.5724199	1.5278071	1.1741662	1.174978
Phase-1 RCT-196	0.98868734	1.0310551	0.7926089	0.8070557	0.92781824	1.3587743	1.1428435	1,244808	1,1353271	1.427053	1.189302	0.9468894	0.909353
Coding	0.9439414	1.0660563	1.2003452	1.1318227	1.0697398	1.348115	1,2312993	1.1527976	1.892217	1.0820698	1.18/8805	1,2359547	4 9000070
Calmamilio B5	0.83043927	0.87963355	0.8999797	0.9172889	0.8905164	1.2768388	1.0206426	1.2038026	1.4908255	1.2789482	1.4625047	1,125cu.r	1.3002073
053	1,1289703	1.131571	1.154535	1.1306938	1.0153068	1.0591621	0.9082669	0.896808	0.86359847	0.8672056	1.0110148	0.9/1222/4	0.9827584
Phase-1 RCT-205	0.9160821	0.94452393	1.0272211	1.1299479	0.9905042	1.0267532	1.0100111	1.0203888	1.0370837	0.9499991	1.0034962	1.0///103	1.1240315
Phase-1 RCT-88	1,0785478	1.0822141	1,0803603	1.2140108	1.1720673	1.2886081	1.1694928	1.2695768	1.4197143	1.161459	1.1425/86	1.082/001	1.0961320
Caspase 3	0.7601255	0.8322655	1.519375	1.5028728	1.5175288	1.1537789	1.1681061	0.7429723	1.0208973	0.7434955	0.80212734	0.73003017	4 4027244
Alpha-tubulin	1.0215372	1.0436516	0.99436384	0.98938286	1.1711692	1,1731625	0.8650032	1.2524518	1.3399123	1.07709	1.3332.04	0.00014347	4 0020207
Ribosomal protein £13A	1,2514815	1.6737267	Ц	1.7124127	1.5968841	1.2663463	1.1912578	1.2523277	1.1856581	1,3362538	1.2243/20	4 0488504	0.8867242
IgE binding protein	0.77435803			1.0019716	1.0302432	0.96255344	1.1119763	0.99687016	1.00081	1.141000	1 104852	0 90032613	0 9264361
Phase-1 RCT-39	0.8490759	_		1.1195198	1.0796058	1.05086/1	0.984636	1.0010317	0 0469460	4 OB48842	0 07419117	1 4546252	13694327
Coffin	0.9019081	의		0.82044315	0.82489534	0.92626	1.0215201	0.820290	0.0447489	0.6303524	0 5057731	0 91492355	1 2185714
Heme oxygenase	1.01958	4	1	1,2854139	1.425625	0.5271625	1.1013604	4 0924794	4 0325253	1 0312817	1 0729878	0.87398916	0.9654019
Phase-1 RCT-241	0.7859155	-1	1.3767824	2.2799394	2,1868176	1.0305824	0.9049197	1.0331721	1 2204197	1 3326836	1 3074819	1.0141214	0,9672169
Ribosomal protein S9	1.2279115	4	1.1858401	136/1156	1./134383	1.1403043	4 0020348	1 0519202	1 0480452	1 0738331	1.0845735	0.86942434	0.9436733
Phase-1 RCT-258	0.902467	0.8789383	0.9833700	4 0440037	0.000340	4 0438052	4 286226A	1 1258215	1.0457597	0.98920727	0.8361498	1.073455	0.8627877
Argininosuccinate lyase	1.1377484	1.1941922	4 0066346	4 0267407	4 2216153	1 0317787	1 034779	1.1908523	1.1043671	1.0657126	1.0740785	0.9564257	1,1608938
Phase-1 KCI-180	4 004 700 4	4 4500067	1 0471948	1 2279593	1 0204519	1 7038599	1.5688658	1.5602114	2.012833	1.7821885	1,5754657	1.3874929	1.3881731
Mutualia resistant protein-1	1,001/33/	1 0303405	0.8723852	0.9949076	0.8576098	1.313035	1.2811238	1.3389722	2.094062	1.029919	1.1037291	1.9170657	1.9348685
Omittine decarboxyrase	4 4408308	1	4 2482832	1 1845379	1 2355855	1,5120194	0.83674276	1,6898222	1.7339818	2.097716	1.8710811	0.7017548	0.72374135
Disease DCT 72	0.7182395	0 7508048	1.0462437	0.9083128	0.880883	1.2194732	1.0864666	1.0833468	1.3614608	1.1461796	1.0630473	0.92752208	1.0479257
Phase 1 RCT-109	1.3388493	1.6066182	1.1075263	1,5332296	1.357719	1.1631279	0.91258013	1.0456504	1.184129	1.0023848	1.0825773	0.6204044	0.713262/
Phase-1 RCT-76	1.2741594	1.2366216	1.011041	1.1457105	1.0970685	0.9689839	1,0060817	1.006227	1.0637629	1.1246393	1,027711	0./633197	1.021436
Vacuole membrane protein 1	1.0305845	1.0908854	0.76286864	1,135929	0.92116827	0.7064615	0.8241431	0.6426439	0.52369815	0.6573219	0.5079664	0.86/43524	0.800 15000

	2000100	1,0000010	* 00000	4 0000044 0 05040044	4 0040494	1 1501331	1 0041800	1 0401357	1 223751	1.1597350	1.0857697	0.9035127	0.9819402
Phase-1 RCI-158	0.6245000	0.62450005 0.04550534	1.002004	410013014	4 00000	1 1001303	١.	4 02408BB	1 1858772	1 1438088	1 0684694	1 0684694 0.8689883	0.9326948
Phase-1 RCT-113	0.97182	1.3202002	1.1965836	1.453/338	1.6220/33	1.1091303	_	1.021000	0.000000	4 4000 700	0.0358374		777154297
Endogenous retroviral sequence, 5' and 3'	1.3551219	1.1728798	1.219849	1.439765	1.1936044	1.485529	0.895126	0.9100264	0.9278392	1.10001.00	7,0000	2000	5
LTR	4 4004707	4 4757707	0.0432045	4 2300414	0 9669534	1 0199512	1.0837424	1.2858558	1.9535304	1.0538042	1.4361104	1.4361104 0.96050286	1,0174677
Beta-actin	1.1004/2/	1.1/3//0/1	4 0704054	4 0405200 0 0640408	9077000	1 1604254	1 2968013	1.382569	1 3287864	1.3063271	1.3071054	1,1113621	1.0977235
Phase-1 RCT-65	0.6041676	0.3133243	1.07.04604	4 0407000	4 058352	0 807892	1 1280359	1 2831 792	1.3266507	1.3722026		1.1174963	1.197795
MHC class I antigen K11.A1(t) Bipna-chain	0.83150504 0.8043406/	4 450 4200	1.09/3/3	4 0088045 4 0887000	4 0007000	4 2836203	4 54R0525	1 557838	1 5934169	1.464582	1.5635858	1,2806216	1.2574457
Bax (alpha)	0.97553045	0.9/553045 1.1394250	0.49004414	0.000013	0.0432288	1 1022089	1 0038049	1.0690098	1.2480377	1.0275369	1.1888652	1.0489371	1.0584143
Carbony reductase	0.8571104	61696628.U	4 0574533	4 2507544	4 DEDTEAM 0 0003427A	1 0002897	1 0091155	1 1262698	0.9433262	1.0830082	1,0020446	0.7523173 0.92014027	0.92014027
Beta-actin, sequence 2	1.3902241	1,2300,300	4 4202045	4 400036	4 0085500	A 244703A	1 1002888	1 2673883	1	1.1478766	1,0864506	1,1209637	1.0838162
Interleukin-10	1,1201995	1.2800/01	0.8570023	0 9010302	0 8206388	0 8987376		1.1853819	1.1184291	1,1184291 0,98501825	0.8941214	1.2241559	1.3596039
Prase-1 RCI-191	4 2027478	4 2480243	0.03236834	1 0775315	4 0775315 1 0878582 0 98779684	0.98779684	1.0195788 1.0716122	1.0716122	1.0303217	1.0369052	1.0369052 0.99297047	0.7447676 0.90630658	0.90630658
Priase-1 RCI-111	4 0007307	4 0007307 0 08781735	0.74522096		0 8653969 0 97777075 1 0743504	10743504	0.8074787 0.91447943	0.91447943	0.831048	1.0513117	0.924649	0.9340478	0.8850107
Apopiosis-regulating treat process	2700076	0.0270076 0.6348084	0.47777770		0.5252379 0.60250086 0.41150108	0.41150108	0.6950009 0,33638882	0.33638882	0.43280676	0.40953097	0.3594439	0.8629892	1.3040823
Grutamente peroxidase	0.25/032/0	0 8301464	0 9096711		0 7964684	1 2491986	1.3014317	1,5640558	1.8845156	1.8845156 1.7338325	1,5355486	1.2518769	1.2414868
Phase-1 RC1-639	0.03004335		0.8850092	0 8733496	0 8880288	1.0400308		1.0143063	1.1168953	1.1168953 1.0014374 1.0846967	1,0846967	1.087328	0.9704294
ruase-1 rci-o	4 0230402	4 072440B	0.05045.87	1 21ASR42	1 1974114	1 1974114 0 64416724		0.6878337	0.65719867	0.6089748 0.55584896	0.55584896	0.865491	1.0381091
I ryptophan nydroxylase	0.0844784	0.0844784 0.76406604	0.861463	0 754927	0 7474615	0 7474615 1 1997193	0.896355	0.8888321	1.1015989	1.1221881	0.9907571	0.9009394	0.9419764
Suitotransferase KZ	0.30(4/3)	0.10190094	2010000	00107010	0 840338A	0 8403384 1 0424395	0.9773459	1 0185838	1 1008608	1.0222355	1.0583723	0.9716157	0.98015696
Calgranuin 89	0.920920		4 4240649	4 4240640 0 00244606 4 0085807	1 0085807	1 0032080		0.97036948	1.1874835	1.068932	1.0515445	1.1134479	1.0472156
Phase-1 RCT-123	U.945612/0		0.01213040	1.1215040 0.39344003 1.0003031	0.0000000	4 5420837		1 523892	2 0524304	1.8776593	1,4716297	1,2723398	1.1523595
Phase-1 RCT-98	10,9501401	0.9002243	0.9403938	0.34342607	0.00104010	100000	4 038843	1 0108241	1 0059326	0 9078322	0.9102755	1,1993147	1.1416655
Aquaporin-3 (AQP3)	0.9053244	0.9053244 0.86782247	0.69/952	0.69/952 0.843684/3 0.9035356	0.00000000	0.903901	1,00013	1.050026	0.0000000	0.848884 0.54401845	0.629873	1 1634119	1 7371675
Steary-CoA desaturase, liver	0.40879953	0.40879953 0.57563408	0.113544256	0.0559092		0.34789202	0.0044405	2000001	4 0000007	4 046755	1 046765 0 00053115	1 0094284	1 0842452
Phase-1 RCT-64	0.9289723	0.9570798	0.7664407	0.7664407 0.66359498	1.0274258	1.1499693	1.0354106	1.0481338	1.000000.1	20,101.0	0.33000	1.000	1,001
(1) Gene expression data for 24 hour													
timepoint are presented as mean ratio of				-									
treatment/control for all 24 hour predictive								•					
genes (Table 5).													
(2) Compound and dose abbreviations as in								_					
lable 1.													
(3) Individual animal number													
(4) Liver inflammation classification for													
compound-dose group at 72 h: yes-nect,								_					
necrosis observed; yes-both, necrosis with													
intiammation observed, no, no tustopatricity	<u> </u>												
(5) Predictive gene (as in Table 5 and as													
included in Table 26)													

Table 29. Expression Data for 24 Hour Timepoint (1)													
Comment Door (2)	20 310	O(E 400	200	100	COX 43	COX 43	EBY 40	EBY 40	ERY 40	ERV 480	ERY 160	FRY 160	EST 0.4
	246	752	255	256	254	255	ğ	345	346	354	355	828	1434
Liver Toxicity Inflantmation Classification (4)	9	2		2			8		92	2	8	8	8
Gene Name (5)													
Gamma-actin, cytoplasmic	0.9845947	0.9753384	0.9208074	0.9002559	0.9002559 0.93343276		0.81713045	0.84032726	0.5834105	익	1	0.76848936	1,1871346
Phase-1 RCT-145	1.1301882	1.0904553	1.2827536	1.1539549	1,5768801	1.1469966	1 2478854	0.843/133	4 4790946	1.0556359	1 162525	0.09023/6/	0.8753212
Dhara 1 DOT 79	4 0562277	4 1015442	1 0700083	1 058604	0 08392314	1 0131779	1 3046751	1 0914379	1.0743146	1.145496	0.99779034	0.9885499	0.93706155
Fac antices	0.6881792	0 9950752	0.9128254	0.95399106	1 3586603	1.3594425	1.2873343	0.865962	1.2765297	1.4816856	1.0371265	1.1640005	0.9655132
Macrophage Inflammatory protein-2 alpha	1,0497901	0.9137354	1.0387785	0.94814897	1.6733148	1.5255616	1.0000918	1.076359	1.2420377	0.9796714	1.0720333	0.9714794	0.89519744
Integrin beta1	0.9904251	0.8444621	0.86285615	0.8413037	1.1281446	1.2119812	0.9654173	0.88465	1.0476137	0.82956725	0.82443756	0.61800285	0.8861653
Phase-1 RCT-207	1.0766408	0.7467794	0.9488957	1.077221	3.9848044	1.1706065	0.7424223	0.7424223 0.71274686	0.6874069	0.6874069 0.81823033	0.7082806	0.64782435	1.0039043
Aspartate aminotransferase, mitochondrial	0.7839273	1.012397	_	1.0008178	0.92427635	1.3692247	0.8252609	0.67269148	0.6372305		1.162607		1.1987065
Casein-alpha	1,4848834	1.1657982		1.1745429	0.8558877		0.5841139	1.0204809	0.61913246		0.8231848	0.67388684	0.95998384
Maic enzyme	2.010153	0.998226	Д.	1.1362847	0.85120/9		0.00031730	1,0061910	0.32341330		0.74201730	0.0000000000000000000000000000000000000	0.31042044
Phase-1 RCT-30	1,5465015	0.79822177	0.9696711	0.90554464	0.6294507	4 440624	905050000	7.0961319	0.43/80900	0.63155145	0.712427		0.64222114
MAD Linese Moses	0.0049933	0.0003314		0 90702724	1 1289094	_	0.8533267	0.83194137	0.9445063	0.78248346	60288860	0.48687708	0.999311
Sodium/ohrose cotransporter 1	0.5550205	0.6329358	1_	0,6058743 0,63830334	1.1287601	1.1642925	2,136148	2,72,75748	1.9585137	1.7374471	1.8867441	2.9956858	1.4167717
Phase-1 RCT-27	0.69824266	1,2631154	_	1.0258955	0.96433944	0.18153591	1.7616186	0.6086937	0.49332488	191		0.52029 0.77541304	0.5918237
Phase-1 RCT-50	1.3020625	1.0947018	Ш	1.1388752	0.88617617	0.94710296	0.5152757	0.95884645	0.6690646		의	0.6607592	0.7776847
Phase-1 RCT-192	0.81356335	1,0137818	1.0313817	0.96884084	1.0884675	0.99543524	0.8644448	0.77897197	0.9775494	õ	1.0534642	1.1018441	1,3014731
Phase-1 RCT-288	0.60184586	0.60184586 0.77469075		0.9327968	0.69631547	0.65147895	0.7448587	0.7213675	0.7222557	1.625849	0.6033554		1.0914503
Phase-1 RCT-37	0.9016812	0.9902634		0.8586274	1.0449872	1.0957305	1.0796652	1.1470929	1.213584	1.2854525	1.3410114	-	0.97297657
Organic cation transporter 3	0.68142664	0.8090385		0.90314835	1.4971648	1.5990235	1.0185238	0.96491665	1.284659	1.336564	1.1749829	1.3762009	0.7170525
60S ribosomal protein L6	0.7029315	0.8469934		0.90051323		1.5024986	1,2947186	0.60960435	1,3291394	1.3362/01	0.9097492	0 90009888	0 5840035
Zinc inger protein	0.9336498	4 006/4667		0.02642744 0.98552275	1.0309091	0.90003070		7.	0.0033333		1 0159177	0.97572084	1.049296
Calgranum BZ	1 250535	0 92466845	0.95.35418	1 0088107	1 5117502	1 5514625	0.8616903		0.8531873	_	10	0,6086617	0.65789443
Phase-1 RCT-92	0.97979826	0.9841723	1.	0.9490318	0.7962785	0.7303543	1.8560541	0.9838004	1.4675742	_		1.3872794	1.1105787
Phase-1 RCT-115	1.639739	1.0114955	┖	1.4759952	0.7495084	-	0.40418276	0.70400625	ודו	\square)	0.44147542	0.79755276
Matrin F/G	0.82238525	0.9067551	0.9304595	0.91917217	0.7384959	0.95495206	1.0151736	0.925684	1.0159781	Ц	_		0.8688852
Muft. homologue (MLH1)	1,1228796	1.038397		0.96203804	0.9012452	1.1946628	1.088792	1.4119402	1.1248242				0.87366927
Phase-1 RCT-79	1.1883115	0.6955902		0.95343006	0.9969845	0.8324709	0.7493838	1.1665455	0.7270707		٧,	0.71742153	0.8917553
Sorbitol dehydrogenase	0.8742883	1.0131712	_	1.0733597	1.3096799		0.67331856	0.4596398	0.92380273	0.83296967	1.1/68293	0.3542332	0.56762626
Phase-1 RCI-24	1.5861264	1.2996191	1.5939881	1.5034037	1 0238605	1 1665200	1 2474004	0.400028	1 3139504	1 2563381	1 1903315		1.1037532
Flooration factor 1 sichs	0.8283010	0.97413	_	1 1455259	1 1117985	1 5073308	1 2662908	1 2598937	1.5798334		2.0097637	1.693962	1.2515804
L-calono-gamma-lactone oxidase	1,3397641	0.92172796	1	1.0314366	0.63131624	0.5920211		0.73129463	1.2617328		Ш	0.85946125	1,0640041
Phase-1 RCT-33	0.9065056	1.1020057	0.94307435	0.9053095	1.0724941	0.7772337	1,849916	0.87267256	1.673844		1.1581932	1.4595691	1.339211
Sun	1.4459878	1.0828898		1.3008494	1.9220823	1.1018791	0.7979035	1.1496426	0.9088701	_	0.9890342	0.8164377	0.7806445
Phase-1 RCT-233	1.3434675	1.0194436	٦.	1.1580325	0.58097947	0.7163761	1.500345	0.50276893	0.9960376			0.6089505	1.0373302
Phase-1 RCT-38	1.0875279	1.0932105		4 2025000	0.8433672	0.7948577	1.1959957	0.7590257	0 55001667	0.9010423	0.97 1/0014	0.8210483	0.8/04333
Priase-1 RC1-242	1.3524210	1.2408494	0.8147043	1.0504079	0.0068765	0.34833460	0.0090042	0.3412218	0.33854346	-	1.0709493	0.9943785	1.0694084
Phase-1 RCT-185	0.8806983	1.1570312	4	1.0156815	0.7479717	0.9242129	0.94755894	0.7308424	1.0092249	1	1.090487	1.2458767	1.0902791
Phase-1 RCT-179	0.70744234	0.8733484	L.,	0.8531704	1,3963594	1.0014902	1,3148415	0.7943796	0.9626251	1.5324435	0.49022314	1,3260224	1.0364006
Phase-1 RCT-144	1.1295192	1.2953196	Ш		1.124259	1.0434958	0.8756742	0.7410977	0.7993088	0.83809775		0.80504614	0.9689837
IKB-a	0.8847584	1.0159202	1.0271039	1.1171277	1.197552	1.6017346	0.78485596	0.57353604	0.8536878	9	1,1345508	0.9818451	1.4479893
Phase-1 RCT-225	0	0.9991004	Ц		0.42821595	0.60792255	1.3864579	1.2612184	0.92345536		민	0.7713498	1.0239271
60S ribosomal protein L6 (atternate clone 1)	0.788359	1.0216589	0.9708834	0.88189596	1.0448707	1.1887455	1.3267968	1.3866663	1.5033104	1.5365924	1.8075202	1.6546329	1.0314767
Beta-tubulin, class I	1.9077431	1.3803464	1.6078476	1.3034828	0.7847885	0.85420483	0.6582632	0.7141493	0.85020405	0.5189793	1 1	1.0424433 0.69625664	0.8195305
Multidrug resistant protein-2	1.2153562		1,0054368	1.0896405	3,223368	1.3437301	1.2437081	1.348887	1.2123268	_	- 1	1,169789 0,80129355	1.0008652

							١.			10000000			0 04004825
Phase-1 RCT-49	1.0496899	-	1.0586997	1.0639055	1.0551763	0.9813357	1.1229011	0.74562547	0.98662825 U.8/U6/004	_	0.90908045	0.8904017	1.0632862
Calgranulin B3	1.065/272	_	0.94990325	1.0747433	1.00093002	0.000000	-	0.083580	1 5871368				1,1809169
NADP-dependent isocitrate dehydrogenase,	0.8221185	1.11316	0.99690443	0.9249431	0.0426632	0.9006033	200	0.00000					
Cytosonic Octamer Minding numbin 1	0.948522	0.8865006	0.8978531	0.82123727	0.8256007	0.92956316	0.98724836	1,4576346	0.89750355	1.1269599	0.934398	_	0.97645396
Codiumbile acid cotraneonter	-	0.99376078		0.72021437	0.7137379	0.9612464	2.9072728	1.2932681	2.9010882	1.2097394	0.9115224	1.4218633	1.3401401
Design 1 DCT-174	-	1 2314078	-	1.2030323	0.7681459	0.9654056 0.80327314	0.80327314	0.7653621	_	_	0.9025396	0.8094584	1,292167
Dhase 1 DCT-77	1 0689751	1 1634643	1.1012257	1	0.79124606	1.0836195	0.85993946	0.8226712	0.98155665	0.80763555	0.89371276	0.9303151	1.3125196
Inches advantage multiplinase (Inmitted	0 71128017	1 4137381	1 2208863		0.9826869	0.7432373	2.6558458	1.8828884	3.0006933	1.4906067	1.7173597	1.8781348	2.1963668
Description of DCT 268	0 9182549	0 9607895	1 0270376	0.98799294	₩.	0.75940937	2.2057862	1,4984442	2.2053957	1,5591079	1.6899713	1.5582178	1.0741428
First-free of checkfill of cost of checkfills	0.79978347	-	0.89845616	0.7952143	100	0.8872844	0.99430144	1.2691829	1.2500876	1,3061357	0.74548095	0.8764174	1.1434855
Incleoside transporter												,,,,,,,	1000000
COK102	0.8635865	1.0951256	1.0565158	1.0330065	0.92219514	0.88762885	1.306651	1.3662637	1.338011	1.2823901	1 2336003	1.3159884	1.1396/81
Phase-1 RCT-209	0.9283876	0.99077064	1.0641462		0.88508105	0.8575967	1.0189815	0.9624992	1.039215	1.1541283	1.1808035	1.3193188	0.9160263
NADL - Appropriate PS reductions	1 0863786	12155377	1.2548279	1.2602347	0.5387091	0.5738726	0.799344	0.75975096	0.6979659	0.7207519	0.71400445	0.9185089	1.184/334
Dimemio 4 (D100)	0 7801103	0.91612744	0.7210956	0.85770273	0.7402272	0.8494076	1.925274	1,4394305	1.7830293	1.1512485	1.1577848	1.4523342	1.1327395
Sensore marker marker 30	0.6569196	1.1026238	1.0750107	0.90798295	0.6753206	1.0680922	1.7453419	1.9867128	2.0194666	1.7971244	1.4273145	1.0728071	1.7557583
Obsess 1 DCT 80	0 79287267	0.99593717	0.87565684	0.8625919	0.60733473	0.73443234	1.9920813	1.5473448	2,3659704		1.2814406		1.1542516
Comitto colmitod Cot transferace	1 4213988	1.1251553	1.4755423	1,1540862	1.1497699	1.1172764	0.74559194	0.9330917	0.9034512		-	-	0.67464083
Afata 2 mismalshalis	0.8490876	0.8436073	0.85176295	0.7263965	1.2637137	0.670557	1.433885	1.0070012	0.99007106	0.91856927	_	0.72452116	1,4078329
Andiocomposition Cili	1 034665	1 1327796	1 2287922	1.0853468	1.3784631	1.386772	0.9925867	1.113581	1.1459274	0.7022407	-	0.92970735	1.5328379
Compared compared	0.8718458	0 9307667	0.92119014	0.8307942	1.4108573	0.9150273	1.0718793	1.3114142	1,4819858	1.8974347	0.7350942	1.9309031	1.1855974
Observed DOT-144	0.8401357	1.04981	1.0355375	1.0483228	1,3475804	3.6444163	1.9475867	1.587917	1.9542758	4.886254	3.7603378	3.4604926	0.7184176
Disco 1 DCT 380	0 8332412	1 0838839	0.95147663	0.7573067	0.8035584	0.7283979	1.4634383	0.9184087	1.56133		0.8168762		1,358565
Cadathollo.1	1 1482955	0 9205761	0.985056	0.8000453	1,1563579	1.0253247	0.59303826	0,76375914	0.76375914 0.60452485	-		_1	0.67841977
Circultural Annu	1 3440055	1 0728424	1 0812023	1 034685	0.88885695	0.81870675	0.73839876	1.1277374	0.64334786	0.95578307	0.8103441	0.66844916	0.826731
Phase-I RCI-202	1 0583068	0 9211775	1 036848	1.092946	1.043893	0.9478623	0.7338589	0,7755341	0.7045352	0.8522809	0.7518826	0.8512258	1,3115693
Prizze-1 ACI-140	1 5068148	0 9851434	1.0596805	1.0853715	0.92556137	1.4702877	1.0733896	0.9558779	0.7073421	0.7442302	0.9148121	0.73514926	1.3840172
Diego 4 DCT-287	0 95390356	1 0366464	1.0973172	1.0665128	0.799476	0.9007706	2.1533647	1.7521578	1.65108	1,5765159	1.3727139	1.6263152	0.99466816
Dhoo 4 DCT 284	0.86842227	0.8544875	0 72371054	1.0194287	1,3053741	0.9776298	0.92742175	0.8264015	0.8082074	1.1572374	0.89671165	1,202,7005	1,2539408
Fliase-1 ACT-201	0.7046078	1 9948306	1 1468676	0.9438083	1.2243329	0.8896871	1.4747527	1.4982593	1.12899	1.2142277	1.4929142	1.4481272	1.5939444
Kearo-bing protein (KBP)	0.7940374	0 9727504	0.8838801	0.9391499	0.79801947	0.75691247	2.3252351	1.1602403	2.194403	1.8486645	1.1526539	1,2025315	1.0322866
transferation promoter (Gvk)	0.000												,,000
Dhace-1 RCT-60	1.2877758	1.1662127	1.1837993	1.2095279	1.0983328	1.426693	0.7773729	0.595055	<u> </u>	0.9963629	0.9768482	0.7979531	1.2386281
Dunista kingea mische	1 7559134	0.8935557	0.89918643	0.83377737	0.81893235	1.0324525	0.761744	1.1551427	1.0597123	1.0749912	1.12192/3	1.0962260	0.6073222
DAD interaction omtain	1 0350841	1.2932757	1.3033093	1.1574073	1.3580558	1.0963247	0.8671227	0.72015727	0.8708334	0.9441991	1.0625031	0.99041694	0.898977
Nicleoside dinhosphate kinase beta Isoform	0,91411996	1.2014649	1,2682381	1.1269659	0.96626014	1.3868898	1.1031327	1.0152477	1.0638169	0.93228865	1.3054498	1.090767	1.131/39
									\perp	1000010	001711100	0.7575757	O 7077665
Gadd 153	1.3992534	1,098144	1.2021248	1.3694658	1.7199167	1.7340665	0.9036861	1.0574546	\perp	1.0782987	0.873/4/00	4 0440568	4 0447930
Insulin-like growth factor binding protein 1	0,6840662	0.62376225	0.7076913	0.65515804	1.3940378	0.9862287	0.91950065	1.0170423	1.341/125	1.405/464	0.8920330	1.04 1030	0 04746788
C-H-ras	0.75215554	1.0742891	1.0953562	1.0156398	1.0476233	1.6221459	0.8271519	0.7747231	_	1.2355654	1.4023341	1.2200491	4 2011106
N-hydroxy-2-acetylaminofluorene	0.6366666	0.958888804	0.8405594	0.76021683	0.76598936	0.9505844	1.8756074	1.8997293	2.1344118	1.6493942	0.9/441514	1004405.1	200
suffotransferase (ST1C1)	0.000040	1 2270744	4 3705070	1 2833401	0.43398395	0 93855198	0 97397696	0.80304474	0.9093986	0.7703894	0.6152932	1.1429944	1.302945
Fhase-1 RCI-52	0.0333340	4 4007408	┸	1 1251448	0 97341883				_	0.93725556	0.747706	1,4316047	1.7412591
Apha 1 - trattolitor III	0.63102303	Ľ	L	0 00192613	0.86857224		1,5808119	1,132118	L	1.5110689	2.0090313	1.9241412	0.78366214
Scend camer protein 2	1 070038		1.0430906	1.0006036	1.033883	0.94072837	0.94003004	1.2312672	0.6948014	0.6814157	0.6557856	0.5875658	0.95054793
Organic and Languages of	4 0368013	1 2128741	1 2260255	1 1903119	0.6174184	1.0707477	0,61645645	0.8168197	0.6630925	0.9426488	0.8484807	1.0456159	1.0555484
Office 4 DCT 182	0 81455034	1.1357232	0.96542996	0.9188481	0.8581695			1.1853085	0.85866797	1.0733824	1.0566082	1.0488182	1.2398208
Colorando Ba	0 90381354	L		1.0012845	0.6530818	0.61391276	L.	Ш	Ш	1.1215558	1.0824614	1.1211517	0.92498684
Aldehale dehudenesses mirmsemel	0.897054	L		1.0209697	1.0349674		L_	1.1200568	1.4895493	1.1792433	1,3343514	1.1735747	1.2416/84
Dhara 4 DCT 428	0 64879894	15	╙	0.8744426	0.6109814	0.8298952	2,9452815	1.6105057			1.3571572	1.7300712	1.2062238
Dhace 1 PCT-102	0.58129114			0.88253045	0.36755493	0.4223357	1.6716912	0	1.3746179	_1	0.49715683	0.6516236	1,3389049
Description of the Control of the Co	0 80343246	1	-		0.9843043	0.8491245	2.1074011	1.4152927	230129	1.1829201	1.2431469	1.3963597	1.834223
Andinonmien All	0.60031414	10	ļ.,	0.44293204	0.88469666	0.46958184	1,6206956	0.7156401	1.8514761	1,3020766	0.8232097	1.4656771	1.2786625
Phase-1 RCT-10	0.7268845		L,	ш	0.83778274	-	1.9857225	_	1.3474374	1.5011882	0.8278086	1.6682892	1.143/62
Phase-1 RCT-48	1,1010865	Ш		1.4936033	0.6825086	1.0942042	1.0646036	_	0.8151956	0.75351	1.3863363	4 484 1486	1 8250407
Phase-1 RCT-8	0.8962681	1.4457135	1,2246866	1.11473	1,0983503	0.83016187	20186927	1,4881655	2,18/5396	1.035010	1.2304308	1.4011400	ויסן בריסט'ן

Dhacad BCTA68	1 0921726	1 2083452	1.0965936	1.075449	1,1102885	1.1008118	1.5757682	1.0826385	1.4992486	1.5104128	1.3677459	1.4286089	1.2159727
Phase-1 RCT-88	0.9962185	0.92394197	0.69378066	0.9796232	0.892311	0.8506036	1.7924161	1.362853	1,5018326	1.3013394	1.4841358	1,5591818	1.0308616
Beta-alanine synthase	1.0703646	0.62277627	1.4206258	1.3399513	0.46432966	1.364337	2.4401784	1.9574517	2.8796015	2.2900102	_	2.5463014	1.4152352
Phase-1 RCT-296	0.6310231	1.0353827	1.0394692	1.0207493	_	0.32943535	1.3541422	1.2882005	1.6139604			0.81710374	1.3287432
Carbonic anhydrase III	0.87455946	2.609636	1.415805	1.0263969	0.6678135			0.4751967	1.0399283		6	0.37437743	1.1060599
Phase-1 RCT-291	1.0076678	1.1619645	1.1672877	1.0681014	-	-		0.91782206	0.7504244	0.8135296	0.8469877	0.9363224	0.9839928
Carbonic anhydrase III, sequence 2	0.9322353	0.9873878	0.70198005	0.9878355	0.7889473	0.6891431	_	٣ŀ	1.7173585	1.3761079	1,3533326	1.5923/43	1,049/143
Phase-1 RCT-271	1.3997965	0.94410735	1.1792747	1.0024462	_	0.6880351	1.5033168	0.69399405	0.948/8596	0.7013309		0 84083754	0.8945387
HMG-CoA synthase, mitochondrial	1.8196183	1.0712596	1,5963198		0.03230704	0.40113000	1 7235680	1 3627185	1 8778596	2 1202216		2 243597	1.5124946
Phase-1 RCI-189	1.0044433	4 4329285	0.88466555			0.85401547	18156971	1.6735761	2 2430272	1,5040301	1,1773834	1.3675375	12794034
Hase mitter 2 amount	-	0.69334634	٠.	0.57624125	+	1 2469176	2.8324342	1.2672375	3.0221741	2216673	1.756264	2,9005835	1,47,11634
Darsovonsee 1		0 79704237		0.70145386	0.9174501	0.9899404	1.2883499	1.869949	1,5313503	1.0477068	1.1457033	1.5317208	1,4673971
Liver fatty acid binding protein	0.5145845	0.6751255	9415	0.82310873	-	0.81495374	2.2449362	2,496283	3.6212106	1.1980082	1.1234883	1.5622343	2.228143
Presentin-1	0.8820833	1.3936377		-	0.98354155	0.7726709	1.7223827	2.1529126	1.5150638	0.949911	0.7579392	1.4208465	1.7592561
Phase-1 RCT-38	0.8141939	0.9931758	0.9538496	_	0.6593506	0.7590686	2.2436502	1.4070039	2.276939	1.5520038	1.6892585	1.6098739	1.1449655
Phase-1 RCT-270	0.87606114	1.1227957	0.8908972	1.0871042	₩	0.75122626	2.1867974	1.2634829	1.6172161	1.3820782	1.4018935	1.3082228	1,3317996
Transthyretin	0.5503009	0.7018675	0.56888446	0.62228847	0.8652858	0.6974813	1.9787489	2.320032	3.150734	1.7089721	1.9292778	2.1254022	1.9104134
Hepatic fipase	0.8213968	0.8180063	0.7073626	0.76105523 0.63873696	0.63873696	1,1117998	1.1511606	0.9213136	_	_	0.84813184	1.017038	1.446584
Cytochrome P450 11A1	0.7380168	0.96016127		-	-	1.0630951	2.680363	1.3020222	2.5461254	0.7826093	0.6833822	0.8768535	0.9069554
Phase-1 RCT-175	0.7588865	0.92875767	. 7	-	-	0.89880663	1.3053929	1.211528	1.3318249	1.2810253	1.3/44234	1.7137471	0.3000200
Phase-1 RCT-117	1.1519722	0.7961746	_		0.47758108	1.1952397	1.8071829	1.6583085	1.8017474	1.9038724	1.2675313	22720842	127127
Phase-1 RCT-137	0.77941424	0.8725105	0.95271796	-	0.84555334	1.1713247	2.3404415	1.1240724	2.1407337	1.6197182	2.1235428	4 40 47052	1.4300330
Melanoma-associated antigen ME491	1.0736861	1.1964151	1.1801275	1.1045839		0.85987484	1.1064/99	0.86/4690	1,0899904	1.2783402	1.3931432	1.1011032	0 84038545
Phase-1 RCT-12	1.4526114	1 4174402	1.7869742	1.4053019	0.91860357	0.88844246	0.71403434	0.0780132	0.00/090	0.0222300	20044745	_	1 2110896
Phase-1 RCT-152	0.6566529	0.88272715	0.7603868	0.71293914	1.4389966	1.3007702	1.5828704	22/00/28	7,001100//	080CR/0.7	2.03 (4/40	2.0101242	0 66054237
14-3-3 zeta	1.0677679	1,1530576	1.2453339	1.0753685	1.2606515	2.0101.F	1,7070000	0.020000	2 486432	0.0437143	0 7906836	1 3102408	1 5328597
Cytochrome P450 2C23	0.5363411	0.7690223	┙	0.76158834	1.0136195	C76C/RC'0	010	0.92004940	7.10042	4 0247404	4 2047494	4 4445077	4 1473/179
Voltage-dependent anion channel 2 (Vdac2)	0.89630044	1.0214832	1.0470282	0.99648247	1.1534692	1.15541.53	1.002303.1	cottocta:o	201110		1		
Phase-1 BCT-154	0.9976771	1,2471428	1,2551316	1.1589812	1.8150673	1.290509	1,1190175	0.78635556	1.0114676	\vdash	0.70078017	1,1195285	0,69331545
Superoxide dismutase Mn	1.0694853	1.0178945	L.,	1.172151	1,3473337	1.2469805	1.9742026	1.7422863	1.9135505	1.9883803		_	1.2705543
C-myc	1.5797335	1,186149	1.4352084	1.3868939	0.97674614	1.0438954	1.1974717	0.878868	0.74794865	0.9427558	-	0.83853805	0.75409305
Phase-1 RCT-196	0.94055974	0.8508976		0.75824475	1.2183743	0.8984557	=	0.71875036	0.5734302	0.9795142	0.6721038	0.77449816	1.2289521
Cyclin G	1.3878073	1.1336772	0.9629484	0.8362814	2,7899957	2.3397868		0.8259432	0.74516594	0.8877055	0.7960341	-	0.7790770
Calgranulin B5	1,347355	1.2969838	_	1.4668937	0.99746543	0.9553957		0.49001384	0.9459045	0.9389193			4 0040000
p53	0.9944749	0.95720905	의	1.0830653	1.303493	1.4104387	-	1.2048452	1.6012113	1.5470365	1,1115948	-	1.0248308
Phase-1 RCT-205	1.2269077	1.2323409		1.0743102	0.96791846	0.9607557		0.70734376	-	1.45019/4	1,2033301	1,24,3624	0.95004353
Phase-1 RCT-68	1.2007613	1.1402569		1.1311085	0.9997644	1.2364086	0.98594344	4 4407505	0.97617400	0.962/04/0	0.88589738	0.202020	0.3370130
Caspase 3	1.1006147	4 400072	4.7344034	1 2571709	0.0051417		0.48022790	0 74696743	0.9547909	-		0.84432985	1,3671165
April 197	0 7470778	0.72454534	0 780069	0 08487804	1 578077	4 0621145	1 8782147	1.0505928	2 543329			1.5887942	1.4055458
lof hinding matein	0.9929011	1.0067452	1.0338424	1.0572431	0.9035317	1.1824845	1.2871934	1,0357251	1.7931908	1.2416072	1,3345618	-	0.90834767
Phase-1 RCT-39	0.92413974	0.82687086	1.0536855	1.0622908	1.2347424	_	0.74145013	1.0818814	0.73589194	1.165079	0.7260877	0.88248897	1.0381837
Cofilin	1.030254	1.4801254	1.261177	1.1888853	1.1988536	1.059257	1.3460637	1.2514149	1.5662527	0.75866425	1.3986899	1,2835791	1.2361985
Heme oxygenase	0.9342359	0.8846934	1.0408093	0.8662071	1.064681	1.1228601	1240772	1.6822037	1.4343598	1.8969213	2.1438775	26557374	1.08/70/
Phase-1 RCT-241	1.0652418	0.802194		1.0498322	1.071882	1.3263177	0.80213904	0.86632395	0.71389633	1.8868235	0.7797346	1.8610184	4 4050074
Ribosomal protein S9	0.79122436	1.027324	1.0239946	1.0765357	1.2614537		1.2018086	1.2504216	1.2981393	1.3898	2.142252		1.4000071
Phase-1 RCT-258	0.9757629	0.8888035	1.067213	1.0447125	1.0262396	$\overline{}$	0.80788124	0.7461768	0.843076	0.92826444	0.8681315	0.0463728	0.04001407
Argininosuccinate lyase	0.98662555	1.1904318	4	1.1228687	1,2225375	0.7747435	1.0591232	1.0438608	1.4781908	1.0910281	1.43/4999	1 0504124	0.85508874
Phase-1 RCT-180	1.1655883	0.855208/5	1	1.0319508	0.3423/330	0.500050	0.02827044	0.09704790	7775744	4 0608560	1 2183031	1 0536633	0.9263793
Multidrug resistant protein-1	1.4882226	1.603519	1.5283337	1.7581807	2.243//54	1.300301	0.9830131	0.04411013	+-	+-	40330307	13	0 65498763
Omithine decarboxylase	2.5246766	1.7744201	2.3055675	2.5618808	0.76450357	4 4992475	4 454 5500	4 0443668		+	1 4631331	1 5367264	1.180289
Inymosin beta-10	4 2504/0189	0.733072	4 0070345	0.7201330	0.8830122	0 9348046	0 7643848	1 2055798	0 77133745	0.680288	0.82491785	0.69764805	0.90976214
Prisse-1 RCI -/ Z	0.7020400	0.83007765	15	0.86790866	1.3828288	0.97992855	1.4946924	0.8285434	1.5731704	1.1724768	1.5357205	1,4407775	1,209529
Phase-1 RCT-76	0.8970142	0.9975489	0.8823545	0.79921514	1.3333591	0.90165953	0.5717325	0.6141197	0.8009479	0.9172152	0.6172856	0.74842376	1.2423155
Vacuole membrane orotein 1	0.8510504	1.0476319	L	0.6489645	0.8828534	0.7663128	1.361905	1,272717	1.112885	1.2476602	1.1578937	1.5845529	1.062268
VOCAMO INCIDENCE PROPERTY .											İ		

								Atopopula concent	17000000	0.75057301	O R2040R6	0.81616161	1,0475478
1 DOT 450	1 4243473	0.93760216	0.9774871	0.9774871 0.98972094	1.0167135	1.0589758		0./USUBZ71	0.0000000	1 2236058	1 1848575	13205221	1.0977056
Phase-1 RCI-130	4 44 57200	4 4457200 0 96395636 0 99741054 0 95461124	0 99741054	0.95461124	1.3278039	1.5772676		0.75/5db4	0.703/412	200000	2000100	0 5028535	0 7693273
Phase-1 RC1-113	0 7776386	0.7067065 0 84264475 0 9285884 0.7067065	0.9285884	0.7067065	0.7301481	0.6492262	1.0465344	1.1397475	0.9159402	1.091/41	0.003/30/0	207857	
Endogenous retroviral sequence, 5 and 5	0.7120000	2								3000000	00104738	95855007	0 67264247
LTR	0 00045054	4 4 8 7 5 5 8 4	0.0515724	0 9313752	1.0399488	1.1563128	0.7174167	0.48466464	0.59861666	0.7174167 0.48466464 0.59861666 0.64901U39 0.5104250 0.7555050 1.0188665	0.3104230	0.45550000	4 0488685
Beta-actin	0.0004000	100000	4 4 4 700 5 7	4 400142	4 400142 0 R2437634	0.8512572	0.7017964	0.8908603	0.7274052	0.7017964 0.8908603 0.7274052 0.8288731 0.83462684 0.78232313	0.63462684	0.78092313	0022
Phase-1 RCT-85	1.5055437	1.0402446	1.178007	4450000	1,100 pt 2000 0 consequence	0 7088644	0.34139818	0.41604963	0,47608143	0.7088644 0.34139818 0.41604963 0.47608143 0.47365347 0.6070323	0.6070323		0.40///83
MHC class I antigen RT1.A1(f) alpha-chain	1.5445515	٧,	1.3420426	1.4130030	4 2027228	1 4070051	0.70301443	1 4070051 0 70301443 0.8891272 0.7565884	0.7565884	0.8421159	0.864095		0.89328593
Bax (aloha)	1.7794076	ı	1.53/5423	-1	4 0040470	4 488021	0 6002121	0 6997121 0.9555411 0.68254983	0.68254983	_	0.73156977	0.4947433	0.7166372
Carbony reductase	1.2161262	1	1.179946	- 1	1.0048178	1.100021	1 811637	0.9598465	1.5870436	1,3321087	1.674666	1.1006917	1,2246327
Reta-actin, sequence 2	0.77572674		1.148616	-1	1.277.237	4 0054000	1 0668503	1 =	0.81289285		0.7348007	0.7348007 0.57698758	0.6385567
Interdenkin-10	1,5238165	- 1	0.9583903	ŀ	1.0638858 1.0676235	1.0004000	C025400	0 4825402 0 42072088 0 50937134	0 50937134	0.5588714	0.77698237	0.6229851	1.0661762
Phase-1 RCT-191	1.8359603		1.1807156	- 1	~	0.749900		1 9561547	1 9561547 0 77817684	0.9535043	1.1032345	1.1737734	1,0590396
Phase-1 RCT-111	0.86714387		0.9808958 0.89671075	- 1	- 1	0.07000	- 1	1 2036468	2 499732	1.3657008	1.425291	1.7955625	1.0977757
Anotheris-regulating basic protein	0.73978823		1.1217582 0.85331327		- 1	1.0423105 0.905/0214			1.571353	1.571353 0.72585744	1.1397262	1.1397262 1.0350176	1,6053388
Gutathione peroxidase	0.7701368				. 1.	0.04/8510	1.0413375 0.0478318 1.3791933	1	0.7581568	١	0.88733417	0.77111316	0.90552515
Phase-1 RCT-239	1,8535638	_			1	0.00 100.00	0.7646112 0.36163233 0.73178033				1.0541885	0.83690673	1 2084371
Phase-1 RCT-67	1.339027	1	1,2032106	1.1799272	- 11	4.427070	4 3758330	t		1,3034889		1.5434601	0.7898427
Trontonban hydroxylase	0.8785093	i	0.90891457		0.91198323	1.13/02/0	7099990	ç	1.0766674		1	1.0649645 0.82196957	0.8871957
Suffitzinsferase K2	0.9395114			_		0.83839816 0.8557930	4 0400698	O 8836075	1	1,0122156	١.	1.0824647 0.95009923	1.066767
Caloramilin B9	1.0541232		_1	ď		0.7177166 0.7030144			0.7388913	4 NSRSSSR 0.7388913 0.91487277	1.0545751		1.275413
Phase-1 RCT-123	1,2295187	_1	1.0866455 0.99239564	. L		0.80 150 140		_	1 2301881 0.84711355	0.921529	1.0695045	- 1	1.0891659
Phase-1 RCT-98	1.2663022	_1	- 1	_1.		A 09749707	0 76324654	0.96904415	0.59969836	0.8279974		0.7681914	1.0013574
Aguaporin-3 (AQP3)	1.3499724	_1	- 1	_	1.130bbb39 0.32211433 0.360113201 0.136436312 0.28693527 0.17854365	0.907979406	0.39496312	0.28693527	0.17854355	0.128945		0.35426414 0.23471653	1,5176382
Steant-CoA desaturase, liver	2,494389	- 1	- 1		0.13488920	0.57.57.5455	0.55015828	0.5/5/5495 0.55015878 0.66300565	0.6834321	0.56207657	0.6374931	0.706395	0.706395 0.98177385
Phase-1 RCT-64	1.3346026	1.1231117	1.2208481	1.1299412	- 1	0.0110013	200000						
(1) Gene expression data for 24 hour													_
lumepoint are presented as mean ratio of													
treatment/control for all 24 hour predictive													
genes (Table 5).													_
(2) Compound and duse addrewated as an													
(3) Individual animal number													
(4) Liver inflammation classification for	L												
compound-dose group at 72 h: yes-ned.													
necrosis observed; yes-both, necrosis with inflammation observed; no. no histopathology													
observed													
(5) Predictive gene (as in Table 5 and as		······											
included in Table 20)													

EST O.4 EST O.4 ETH 2500 ETH 2500 GAN SQ GAN	Table 29. Expression Data for 24 Hour Timepoint (1)													
120 10 10 10 10 10 10 10		1	7	7	T	Т	T	Τ	T	Γ	GAN 200	GEN 38	GEN 38	GEN 38
Table Tabl		40	967	1	T _E	18	444	2445	2454	2455	2456	224	222	226
Controller Con	Animal Number (3) Liver Toxicity Inflammation Classification (4)	2	000	5	3				ę.	5	2	2	2	2
Controlled Con	3,													
Controlled Con	Gene Name (2)	1 2051716	1 0286912	0.9200018	0.9307378	0.9078299	1.0579581	1.0266209	0.7731414	0.85822064	٦	1.0249627	_	0.819885/4
Control Cont	Dhoen 1 DCT-145	0.71978036	0.6864749	1,0178725	1.1509957	1.0647606	1.1025668	1.0139755	1.0128912	0.98534787	0.8900969	0.9663431	0.9355991	0,98145040
1000000000 10000000000 1100000000 110000000 1100000000	Caddas	0.6969673	0.8774846	1.6427606	1.4569082		_	1.1269455	0.9089785	1.2027047	1,3163323	0.9551457	2780700	4 274728B
Control Cont	Phase-1 RCT-78	1.0395666	1.0391445	0.9164214	0.8734835	0,95708394		0.99608874	1.0188674	0.8192461	0.93402636		1.030103	1 0560416
Controlled Con	Fasantipen	6964714	0.60396975	1.0454319	1.117825	-	0.90253687	0.9621458	0.9836058	0.8986581	1.0111462	0.0224855	1 2062088	13168913
0.4786456 0.78401781 1.1002261 1.0002504 0.0344422 0.0802504 0.0802080 0.4470244 0.4470244 0.4470244 0.4470245 0.4470244 0.4470244 0.4470244 0.4470244 0.4470245 0.4470244 0.447024 0.4470244 0.4470244 0.4470244 0.4470244 0.4470244 0.4470244 0.4470244 0.4470244 0.4470244 0.4470244 0.4470244 0.4470244 0.4470244 0.4470244 0.4470244 0.447024 0.4470244 0.447	Macrophage inflammatory protein-2 alpha	0.47673736	0.6007741	1.3143358	1.6568985	1.2833334	1.005572	1.5816623	0.99999994	4 0046644	1	ᆚ	1 0944842	1 2185554
0.9479844 0.0410742 1.070223 1.253492 1.0505304 0.254795 0.2547	Integrin beta1	0.74665916	0.78840345	1.2805877	1.3998353	1.2393625	1.086583	0.9676085	1.0407782	1.0613511	0.0330017	בנ	1 0235428	0.9624717
1,1856561 1,017542 0,0450272 1,017540 0,045027 1,175454 0,045027 1,175456 0,045027 0,04502	Phase-1 RCT-207	0.9476345	0.8913919	1.1062521	1.2135482	1.0903504	0.9384322	0.9862666	1.0234182	4 4470948	\perp		0 7858424	0.6211041
O 61616187 O 24556272 1 102258 1 1122178 1 1122178 1 1122178 1 1122178 1 1122178 1 1122178 1 1122178 1 1122178 1 1122178 1 1122178 1 1122178 1 1122178 1 112228 1 11	Aspartate aminotransferase, mitochondrial	1.1385665	1.1017342	1.2012503	-	0.8042969	0.83724215	1.04348/2	1.022/330	4 0137143	ľ		0.9755807	1,0631837
0.0510101871 0.052070304 7.77272851 1.022510 0.1025261 0.1	Casein-alpha	3280375	0.9901671	1.1233156	1.3128774	1.1574354	1.1519563	1.0010014	0.00171845	0 0462249	┸	0.93016	-	0.68203904
Continue	Malic enzyme		0.38559222	1,062861	0.9151846	0.0003444	0000000	4 0424440	0.00130100		┸	1.0068711		0.9556052
1,0072375 1,0076514 1,2043196 1,445245 1,445246 1,447565 1,44756 1,447565 1,447565 1,447565 1,447565 1,447565 1,447565 1,447565 1,447565 1,447565 1,447565 1,447565 1,447565 1,447565 1,447565 1,447565 1,447565 1,44756 1,447565 1,447565 1,447565 1,447565 1,447565 1,44756 1,447566 1,447566 1,447566 1,447566 1,447566 1,44756 1,447566 1,447566 1,447566 1,447566 1,447566 1,44756 1,447566 1,447566 1,447566 1,447566 1,447566 1,447566 1,447566 1,447566 1,447566 1,447566 1,447666 1,44766 1,447666 1,447666 1,447666 1,447666 1,447666 1	Phase-1 RCT-30	0.69990866		0.4385994	0.28650436	0.3131482	1,0043332	4 0920069	4 0003247	L	1.	_	1.1464969	1.1648847
1,0077315 1,0077320 1,00	Hepatocyte growth factor receptor	0.62793964	-1	_	1.4956138	1,340,7000	1.027030	1.0330000	2730000	Ľ	5		0.93555284	0,95500976
1,5550721 1,555072 1,771434 0,5550359 0,52744524 1,5550259 0,5275259 0,527444 1,5774434 0,5574444 1,5774434 0,577444 1,577444	MAP kinase kinase	1.0872375		_	_1	1.3002508	0.82210356	0.8603384	4 20208	┸	1	_	13665118	12428774
0.67752278 0.6710161 0.6700269 0.71842426 0.71842426 0.71842426 0.71842426 0.71842426 0.71842426 0.71842426 0.71842426 0.71842426 0.71842426 0.71842426 0.7184241	Sodium/glucose cotransporter 1	1,5591073	1.4771343	0.9520389		0.4969261	1.1471767	1.1166545	1.20280	4 4208048	\perp		1.627104	1,8344285
0.5752276 0.7050141 1.0670026 1.05004094 1.10500404 1.105004	Phase-1 RCT-27	0.6215316	1.6167016	0.90673834	0.7865025	0.71845245	1.3086268	0.0330837	0.00406648		L	ı۳		1.188228
1,781778 1,2026261 1,00000000 1,0000000 1,0000000 1,00000000 1,0000000 1,0000000 1,0000000 1,0000000 1,0000000 1,0000000 1,0000000 1,0000000 1,0000000 1,0000000 1,0000000 1,0000000 1,0000000 1,0000000 1,0000000 1,00000000 1,0000000 1,0000000 1,0000000 1,0000000 1,0000000 1,0000000 1,0000000 1,0000000 1,0000000 1,0000000 1,0000000 1,0000000 1,0000000 1,0000000 1,0000000 1,00000000 1,0000000 1,0000000000	Phase-1 RCT-50	0.57252276		1.0873821	1.1265911	1.0690888	1,016/006	0.90000970	1 0882841	1	L	1.1877639	1_	1.0831294
1,256 105 1,257 1,055 1,010	Phase-1 RCT-192	1,3761735	_			1,0184356	1.1003124	4 248662	4 4668884		L	_	_	1.4345571
0.00000000000000000000000000000000000	Phase-1 RCT-288	1,3261905	_ [Ц.	00124240	4 2250347	4 4480819		L	L	0	0.8664403	0.86222136
Octobal704 1,112401 1,1117201 1,11	Phase-1 RCT-37	0.9023704		_L		4 037448	1 0330167	1 0868998	L	L	L		0.9317605	0.8896883
0.65098187 0.54102074 0.54702074 0.54702071 0.5470207 0.5750207	Organic cation transporter 3	0.6105713		-	┸	1 0304777	4 4700705	1 4022598	1,4838413	Ľ	_		_	0.87224007
0.0070520 0.25051877 0.25051877 0.25051877 0.25051877 0.25051877 0.25051877 0.25051877 0.25051877 0.25051877 0.25051877 0.25051877 0.25051877 0.25051877 0.25051877 0.25051877 0.25051877 0.25051877 0.25051877 0.2505187 0.25052187 0.25052187 0.25052187 0.25	60S ribosomal protein L6	0.9645/64		0.0111100	ı٠	0.972632	0.9844617	1.0190402	0.98740757					1.0622607
0.61538334 0.673194 1.2021545 1.637097 1.2705339 0.6444417 0.922841 0.9125656 1.1280506 0.6153834 0.673194 1.2021545 1.6370871 1.2022642 0.9136474 0.9125656 1.1284727 1.2022642 0.9126470 0.9126567 0.9126567 0.9126567 0.9126677 0.9126677 0.9126677 0.9126787 0.9126777 0.9126777 0.9126777 0.9126777 0	Zinc finger protein	4 070589		0.88747615	1		0.9502886	0.9298127	0.89958984	Ц	Ц	4	4	1.0074198
1,3816223 1,3493169 0,7953197 0,7900615 0,58027966 1,1623333 0,9973641 0,99126665 1,1284927 0,90126665 1,1284927 0,90126665 1,1284927 0,90126665 1,1284927 0,9012666 1,1284927 0,90126924 0,	Cagranum bz	0.87536354	L	+	_	-		0.923841		Ц	4		1.1816947	1.0564458
0.64749014 0.71458064 1.0325866 1.233487 1.8225422 0.85514459 0.6473714 0.6477371 0.6477371 0.64749014 0.71458064 0.1547804 0.14158046 1.1515646 1	Dhara 4 DCT 02	1 5818233	Ľ	_	L	0.58827865		Ł.,		_	٦		0.7379317	0.98046774
0.95496534 0.9320527 0.83196565 0.7951868 0.05471968 1.10407778 0.0543042 0.0753042 0.0753042 0.0753042 0.0753042 0.0753042 0.0753042 0.0753042 0.0753042 0.0753042 0.0753042 0.0753042 0.0553042	Dhace 1 RCT-115	0.64749014	0		L.	1,2922642			┙	4	1	4	4	1.0004 104
0.07635942 0.0773068	Martin Fig.	0.95486534			_	1!		1.0471661	_ [_	4		1 007570346	4 0377632
0.894626 1.0077204 1.008271 1.0246253 1.0267294 1.0257294 1.025304 1.025304 1.025304 1.025304 1.025304 1.025304 1.025304 1.025304 1.025304 1.025304 1.025304 1.025304 1.025304 1.025304 1.025304 1.025304 1.025403 1.025403 1.025403 1.025403 1.025403 1.025403 1.025403 1.025403 1.025204 1.025	Morth Promotogue (MLH1)	0.7853642						0.97627884	٦	_	1	0.9080419	_1_	0.08452806
0.5016442 0.5116842 0.1722453 0.90325645 0.545011 0.1523401 0.5450129 0.5450129 0.5450129 0.5450129 0.5450129 0.5450129 0.5450129 0.5450129 0.5450129 0.5450129 0.5450129 0.551011 0.551012 0.501012 0.501012 0.501012 0.551012 0.551012 0.501012 0.5	Phase-1 RCT-79	0.984626	1	Ц	Ш	1.0207299	- 1	_		\perp	1.2045028	4	0.8353370	0.86299086
0.9016442	Sorbitol dehydrogenase	0.6107471	0.59950566	-	_	0.90946718	- 1	0.81926/1	0.9254036	4	1	+-	0.9035978	0,75659764
1,1850655 1,2013 2 0,03073815 0,0307391 0,0307391 0,030739 1,0307	Phase-1 RCT-24	0.9018442	ា		_		٦.	_	1	4-	L	1	1.0262114	0.9890699
1,325674 1,52674 1,526574 1,525574	Calgranulin B1	1.1850663	1	0.99073815			1_	1	L	L	L	_	-	0.8452169
1.07500211 1.0360606 0.89181125 0.48710402 0.4871781 1.1525439 1.2500771 1.1408335 1.2500771 1.1408335 1.2500771 1.1408335 1.2500771 1.1408335 1.2500771 1.1408335 1.2500771 1.1408335 1.2500771 1.1408335 1.2500771 1.1408335 1.2500771 1.1408335 1.158846 0.8371846 0.847286 1.176836 0.9178854 0.917885 0.917875 0.917885 0.917875 0.917885 0.917875 0.917885 0.917875 0.917885 0.917875 0.917885 0.917875 0.917885 0.91777 0.917885 0.917875 0.917875 0.917875 0.917875 0.917875 0.917875 0.917875 0.917875 0.917875 0.917875 0.917875 0.917875 0.917875 0.917875 0.9178778 0.917875 0.91787788 0.917875 0.917875 0.917875 0.917875 0.917875 0.917875 0.917875 0.917875 0.91787788 0.91787788 0.91787788 0.9178778 0.9178778 0.9178778 0.9178778 0.91787788	Elongation factor-1 alpha	1.3828574	\perp	0.85856134		<u> </u>	⊥	1	L	L	L	L	_	0.6478616
1,250.011 1,200.000 0,20	L-gutono-gamma-lactone oxidase	1.7075694	4	0.3314012		1	ľ	1		L		L	0.8468769	0.7416762
1,2612715 1,185461 0,816,26353 0,8250134 0,816,325 1,176,3801 1,004,232 0,826,33934 0,816,280 0,927,8835 0,927,88	Phase-1 RCT-33	0.500217	<u>ا</u> ـــ	1 316846			0.8039223	0.85478375	Ш	Ц	Ш			1.1265223
0.8156356 0.80339255 0.835672717 0.94055295 0.91783552 1.102422 0.8833334 0.91789833 0.962298 0.8178924	Oplun Corress		1		1_	_	1.1763881	L	Ц		7		_	0.69750845
0.7063569 0.7063569 1.310327 0.91022277 0.95564583 0.8816228 0.8274600 1.3064267 1.310399 1.320889 1.310357 0.858813 0.044285 1.187509 1.187509 1.3064267 1.310399 0.8278175 0.2743837 1.25205614 1.0576262 1.187509 1.187509 1.1392018 1.176347 0.74437 0.8547131 0.847132 0.8974559 1.154624 0.8540244 0.071844 1.1392018 1.1722873 1.1732271 1.1825734 0.894459 0.8854766 0.8869955 0.8869955 0.8869955 0.8869955 0.8869956	Phase-1 RCI-233	0.8456356		0 93672717			┖				٦	5 0.91381776		0.7820277
1,3004267 1,310389 0,558813 0,90791875 0,62744657 1,2502655 1,041412 1,0044295 1,197094 1,3004376 1,310389 0,658813 0,5772944 0,7743857 0,5540918 1,0505164 1,5255198 1,10576254 0,574732 0,597132 0,5971476 1,0404778 1,0404778 1,0404778 1,0404778 1,0404778 1,0404778 1,0404778 1,0404778 1,0404778 1,0404778 1,0404778 1,0404778 1,0404778 1,040478	Phase-1 RCI -36	0.010000		1 176859	١.	1_	-	0.95584583				4		0.9852824
1,1592018 1,1783406 0.7772844 0.7243637 0.5549018 1,0505184 1,0576522 0.83340254 1,1582018 1,1158264 0.7243637 0.55249018 1,1158264 1,	Phase-1 RCI -242	4 9097567	i	Ľ		Ľ	-	L	L	L		_	0.85549873	0.8911095
1.0404376 1.152899 0.83107287 0.8527131 0.8471132 0.9974559 1.1154954 1.01040768 1.071514 0.8989355 0.9978534 0.91010800 0.88699546 0.88699545 0.9989353 0.9999353 1.237178 1.0275474 0.82123029 0.8953547 0.9059914 0.8959375 0.9959357 0.9959357 0.9959353 0.9959953 0.9959953 0.9959953 0.9959953 0.9959953 0.9959953 0.9959953 0.9959954 0.9959954 0.9959954 0.9959954 0.9959954 0.9959954 0.9959954 0.9959954 0.9959954 0.9959954 0.9959954 0.9959954 0.9959954 0.9959954 0.9959954 0.99599595 0.9959954 0.9959954 0.9959954 0.9959959 0.99599959 0.99599959 0.99599975 0.99599975 0.99599975 0.99599975 0.99599975 0.99599975 0.99599975 0.99599975 0.99599975 0.99599975 0.99599975 0.99599975 0.99599975 0.995999975 0.9959975 0.99599975 0.99599975 0.99599975 0.99599975 0.9959975 0.99599975 0.99599975 0.99599975 0.99599975 0.9959975 0.99599975 0.9959975 0.995999975 0.995999975 0.995999975 0.995999975 0.995999975 0.995999975 0.995999975 0.995999975 0.995999975 0.995999975 0.995999975 0.995999975 0.9	Present RCI-161	1 1392018	L	┸	_	1_	1	Ĺ			Ц	_	٦,	0.8364909
0.97802364 1.0122873 1.081442 1.1252271 1.1862706 0.8925341 0.31010506 0.88509554 0.6888355 0.68898355 1.257178 1.0275424 0.8212053 0.884844 0.89156497 0.88528778 0.78778864 0.87778864 0.87778864 0.87778864 0.87778864 0.87778864 0.87778864 0.8777871 1.1455531 0.9038883 0.88978635 1.0183889 0.8545186 0.8345152 0.8059144 0.898977 0.8853164 1.380477 1.3384054 1.3384054 1.3384054 1.3384059 0.95269895 0.926104 0.9849149 1.2590909 0.71398443 0.940439 0.9883076	Dhan 1 PCT-170	1 0424376	L	┸	 	<u> </u>	L				4	-		1.1081300
1.5729537	Disco d DCT-144	0 97902384	L	L	١.,	<u> </u>		_	_	╛	_	1		0.003302
1.145551 0.8038888 0.80976635 1.0183889 0.8545186 0.8345152 0.80509144 0.899917 0.8053164 1.805572 0.70598976 1.1132572 0.70598974 0.67947423 0.7657172 1.3107276 1.1806417 1.3384054 1.3809494 1.3809494 0.67998976 0.679988888 0.905104 0.9484148 1.2590909 0.71398443 0.940439 0.98839076	LIESO-I POLITICA	1 5759537	1	L		_	0.89156497	0.89536756		\bot	_	1		0.00704906
lemata clone 1) 0.9289376 1.1132572 0.79489744 0.67947423 0.7867172 1.3107276 1.1808417 1.3384054 1.3803494 1.38034054 1.38034054 1.38034054 1.38034054 1.38034054 1.38034054 1.3803405 0.92896966 0.926104 0.9484149 1.2590909 0.71399443 0.940439 0.98039076	Disco 1 DCT 225	1 1455531	-	١٧		┖	Ш	_			1	ᆚ		0.00/01393
0.7650879 0.61284305 0.9296866 0.926104 0.8484149 1.2590309 0.71398443 0.940439 0.98838076	60S ribosomal protein L6 (alternate clone 1)	╀		0.79489744		L.,					1.2922467	1.1320335	o''' recessed	200100
0.000019 0.0129100 0.0012910		0.70507.0	0.64204304	7 O COORRER	⅃.	ㅗ	1	0.71398443			1.0336927	1		0.7198955
0.91273177 0.97933114 1.06133721 1.1141677 1.065068 0.91273177 0.97933114 1.06133721 1.1141677	Beta-tubulin, class i	0.000012	4 0260516	1 3461186	Ľ		0.91273177		ľ	2 1.1141677	Ц	8 0.9155075	1,2207487	1.201842

01 200 1	0.3040000	7,004,04	4 0497049	4 0402066	4 4 4 7 9 2 0 4 1	4 002063	ก ฉลลากลร	1.0544252	0 98888833	1 0253555	0.8995045	1.0603086	0.99146307
Phase-1 KCI-49	0.70120300	0.0213482	1 0788559	1 2222823	1 1577325	0 9597511	0.9825435	0.9471139	0.9526224	0.94897646	1.0423627	0.92884797	0.84012157
Calgrandin B3	0.07400624	0.9213402	1,000,000	1.626255	0 2005 627	4 2422006	4 1574778	1 0744305	4 2732242	1 26254RF		1081	1,11424
NADP-dependent isocitrate dehydrogenase,	1.3142508	2518716.1	0.9358633	0.692/81/	0.7035437	5443003	1.13/44/0	200	7777	-			
Octamor hinding ample 1	0 73017025	0.7027769	1 1804878	1 0504472	1.0813949	0.9426755	0.99960244	0.88956565	0.99214566	0.91179276	0.9731586	0.7803047	0.961349
Sodiumbile poid extraorporter		1 2975508	0.537266	0 5477486	0.5622897		0.9110429	0.9646363	0.90787077	0.7180137	1.0354079	0.7085403	0.9230885
Dheen DCT-174	1 3128368	1 0149492	CEE7111 0	0 6813551	0.7361806	_	0.75747555	0.94057924	0.8553428	0.86652863	0.9548583	0.924603	0.92779154
Disco 4 DCT-77	4 2284 33B	_	0 84577614	0 53502417	0.643298		0.82741004	0.8934679	0.902356	0.87990177	1.294417	0.7873749	0,76886564
Inscitot colymboenhate mydikinase florikia	1 7808599	-	0.7582202	0.5226375	0.4952682		1,1750609	1.2819909	0.8396012	0.98392934	1.7545687	1.1848342	1.2938552
Dhase 1 DCT 256	1 1674851	1 1853721	0.9966137	0.75371087	0.93684256	1.2787114	0.8220197	0.7984047	0.9187123	1.0223114	1.0767784	0.7391504	0.7439596
Equiliprative naroberzylthionosine-sensitive	1.1273277	1.1259779	0.89388748	0.9219638		0.73128164	1.085001	0.9602932	0.72250426	0.74892925	1.0579885	1.0775343	1.1715676
mudeoside transporter													,
CDK102	1.1972675	1,3560663	1.0155708	1.0155706 0.95878416	0.8783698	1.2498389	1.0564898	1.1475538	1.2003838		1.1426353	0.9537846	1,021/531
Phase-1 RCT-209	1.056315	1.0717789	0.85098394	0.928357	0.8599888		1.0796821	1,0533714	1.1501275	ᇳ	0.95669514	1.1174183	1.1838595
NADH-cytochrome b5 reductase	1,2054217		0.95716935	0.821595	0.7487288	1.312785	0.91811776	0.8531401	1,0299705		1.006114	0.64619285	0.5830271
Dynamin-1 (D100)	1.2956442	1.2930012	1.052875	0.9121175	0.8014669	0.9414439	0.9981578	1.0574175	1.0129246	ᆿ	0.92694765	0.925337	1.040784
Senescence marker protein-30	18732315	2.0919435	0.8742879	0.7380418	0.755304	0.9124727	0.78828025	1.2741297	1.0138576	1.2730807	1.6797433	1.3482227	1,1890293
Phase-1 RCT-89	1 3531849	1 2975395	0.8990558	0.84489006	0.86187506	1.0319623	0.99345213	0.93200576	1.0744749	0.93753374	1,2107489	1.099622	1.1102651
Camitine natmitod-CoA transferase	0.493325	0.49659735	1.3445903	1.6297674	1,433383	0.8893293	0.9702359	0.8352633	0.882225	0.95177615	1.0472746	0.94373405	0.9918485
Alpha-2-microdobulin	1.7701721	1,6105427	0.7403846	0.46049827	_	0.30395958	2.5864015	1.8204983	0.41359606	0.58305236	2.178523	1.1528918	1.4263885
Andiportutein Citi	1.1663746	1,4715865	1.1037229	1,106996	0,8830666	1.0024836	1.0082632	1.1322832	0.9541856	0.87374794	1.0402081	0.78032035	0.8092343
Catherist serience 2	1 1856833	1.4139824	0.8378182	0.88958645	1.1408564	1.286843	1.3854116	1.5707234	1.4927233	1.3991228	1.4296743	1.1572617	1,2843687
Phase-1 RCT-141	1.0931046	1.0765735	1.3352206	1.6164218	2,0392177	1.0584439	1.4703678	1.2765663	2,4547772	1,8915079	1.1167733	1.1522664	1.0905223
Phase-1 RCT-289	1 2208928	1 4253144	0.9458045	0.7315216	0.7204099	0.9664605	0.8598048	0.9190453	0.9227444	0.81631565	1.2427282	0.970945	1,0218576
Findathallad	0.6576577	0.5759505	1.4137945	1.8742417	-	-	0.9907087	0.9078552	1.3295671	0.9870702	0.93779546	1.217109	1.275355
Dhas 4 DCT 282	0 7483336	1	1 0832203	1 2125518		┺	0.95592386	0.9056886	1.0400143	1.0274582	0.9114033	1.0610157	0.93207943
Disco 1 DCT 140	1 263350		1 054655	1 1416105	1.135984	-	1.0426271	1,0626645	1.0337983	1.0688835	0.9742302	0.9239609	0.88497096
Codin Ot	1 5300509	1 1239287	1 290452	1 4366025	1.1268846	1.1338098	0.90520656	0.90931773	0.8915149	0.97269315	0.90380555	1,2901784	0.82495064
Phase-1 RCT-287	1.298506	1,2079395	0.94755924	0.9243863	0.94351584	1.0779002	1,3037921	1.3088676	1.2260664	1.1549026	1.2041982	-	1.1016078
Dhasa-1 RCT-281	0.95353216	1.0109147	0.87664753	0.89633137	1.0575383	0.8704467	0.82619476	0.77741444	0.78511095	0.75552744	1.1014436	-	0.82381004
Retrot-hinding gratein (RRP)	1.8771479	2.0170832	0.81706554	0.6559244	0.6828971	1.3389442	1.3350712	1.5971354	1.2665182	1,2638384	1.4503713	0.856555	0.9554011
ATP-stimulated glucocorticoid-receptor	1.3703811	1.1299026	0.9534924	0.8906482	1,0008141	0.7781165	0.8589483	1.2103577	0.955687	1.0440857	1.3739078	1.1812961	1.3007833
translocation promoter (Gyk)											10000	O CONTROLL	20707000
Phase-1 RCT-60	1.3744432	1.4094509	1.0971301	1.1582821	1.1989036	1.0820953	1.0470113	1.0097104	0.9523712	0.98903405	0.84509T	_	0.02173403
Pyruvate kinase, muscle	0.77053964	0.8179476	0.8675874	0.981047	1.1860474	0.9981166	0.991918	0.8848587	0.8522423	0.8364939	0.92171616	0.8897784	0.8429113
PAR interacting protein	0.9686239	1.04751	1.0705303	1,0636709	1,1809511	0.83543077	0.9772195	0.94379103	0.8984325	0.69/69/0	0.6976926 0.92770133	0.9102973	0.010004
Nucleoside diphosphate kinase beta isoform	1.4120921	1.1464012	1.0329797	1.2023184	0.89782983	1.1134032	1.0292487	1.0950992	1.5023603	1.2590969	1.1019003	0.835/461	U. / 262324
	100000	0400440	4 94300	4 6990945	4 2C32084	1 2632084 0 74604507	0.8571922	0 8000311	0 8743864	0.84065884	0.9469438	1,0192113	1,1481435
School State of the state of th	4.000000	0.001.000	4 200000	4 4077150	4 445748	0 01015065	78057	0.9198817	0.92379045	1.0156784	0.95682544	1.0825399	1.1700188
Insulinance grown ractor parang protein	A 70064024	0.860950	1 1218467	1 344779	1 126374	0.7976978	1.3341768	1.1276052	1.1260784	1.1889749	1,3012285	1.0282845	1.0176795
M hudman 2 acab familadinasas		1 2607394	O RROSOAR	0.85327813	0 7689211	0.7555214	1.3843974	1.2059019	0.7605674	0.7477419	1,3029667	1.1828593	1.325386
Isufotransferase (ST1C1)	60000	100 1009-1	2	20000									
Phase-1 RCT-52	1.2440598	12773	0.97670954	0.8752521	0.844945	1.232956	1.0072919	0.86254424	0.8647656	1.2682145	1.0209745		0.81056097
Alpha 1 - Inhibitor III	1,4962704	1.1434869	0.8339713	0.573244	0.43941742	1.0590283	1.034861	1.1419841	0.80854726	0.84084535	1.0951537	0.6020309	0.8345345
Sterol carrier protein 2	0.98603388	_	7	0.8257532	0.6904239	0.983834	1.1124474	0.99073666	1.353027	1.1559923	1.4558347	0.810/3190	4 2006274
Organic anton transporter 3	0.7497862	0.78840345	1.0547528	1.5776743	1.0282512	1.1180246	0.94928193	0.9730621	0.94899267	0.94/0/05	1.0033443	_	1,200030
Catarandin 84	1.057008	0.98037994	2965698'0	0.6734321	0.6535299	1.1372943	1.0195418	0.852805	0.93304944	1.0174085	1.0651077		0.85254694
Phase-1 RCT-182	1,499539		0.86500937	0.86906475	0.92152095	1.0144898	1.1266818	1.1011302	1.1339732	0.9596329	0.94750834	0.8605/645	0.85/8595
Calgranulin B8	1.045202		0.96957564	0.8133249	0.88694555	1.3883132	1.1406562	1.1370094	1,6357695	1.3686157	1.0478403	0.6621312	0.6554995
Aldehyde dehydrogenase, microsomal	1.3841368	1.2749565	1.0957112	1,0308098	0.9797402	1.1008818	1.0408959	1.1359932	1.1262974	1.1857495	1.1792107	0.77704.50	1,0700707
Phase-1 RCT-128	1.4110892	1.3865926	0.9785698	0.8117476	0.67871386	1.1931058	1.2814536	1,3669001	1.138258	1.0752748	1.28/445		1.0707.32
Phase-1 RCT-102	1.0533947		1.0213945	1.003476	0.7765626	0.96996593	0.5255153	0.8580277	0.77800083	0.7410366	1.0218559	-	1,03042305
Preproalburnin, sequence 2	1.5322143	_	0.9238532	0.5910414	0.6744676	1.3216339	1.0283058	1.2474103	0.7276791	0.97984093	7.2464976	1.98412/9	1,2042283
Apolipoprotein All	0.94656354	0	0.6786759	0.713841		1.3408428	0.86225265	4 204 2006	1.0101284	1 1155843	4 5403805	1 1963961	1172179
Phase-1 RCT-10	1.1802479	1.5389038	0.8936972	0.7925278	0.83368134	0.00745685	0.000000	1 1048219	0.9067153	0.8599532	1 2042587	:†=	0.96225363
Prase-1 RCI-48	1.0436996	1	0.9364169	0.5966564	0.5966564 0.69636744	1.4163162	1.135128	1,3489852	0.8357375	1,1144258	1,5918958	0.98234904	1.2218854
C. O. Localin	11,000	1										İ	

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Priase-1 RCI-100	1.4189221	1.3283430	3 8	+=	0 73248773	1 0434328	0 9988484	1 16451	1.0642401	_	1.0712706	_	1.1169629
Rota alarina sumbasa	1 5802604	1 5750213	0.9157801	-	0.8271738	1.3462027	1.2322321	1,4408729	1.4117267	1.6348153	1.5656568	1.665179	1.1905334
Description of many	1 1360538	1 2712151	1 6672184	-	0.72649443	1.863238	0.9543105	1.0440664	1.4472808	1.451357	1.3738534	1.0843495	0.792425
Cartonic antiverses III	2 2234397	1 1788235	-	_	0.24289669	0.3889415	1.088523	1.3210369	0.46283108	0.70198673	1.842343	1,3327147	1.3242418
Phace-1 RCT-291	1.0959567	1.189288		١	0.8500833	1.1910933	1.0468112	1.0232352	1.0851074	1.0845692	1.0854456	0.7223049	0.7372149
Carbonic antivorase III. secuence 2	1,6505079	1,3405902	0.62857693	₽	0.56042486	1.5017109	1.1566124	1,4596941	1.1920822	H	-+	0.6769084	1.0852671
	0.92640525	0.61860335	0.9099602		0.7079361	_	1.0620908	1.0116999	0.9160094	-		0.54119515	0.6070189
se, mitochondrial	1,2191141	1.117048		-	0.82984495	-	0.89202946	1.1867152	0.8437712	0.9445733	1.1828585	0.7005712	0.6693316
Phase-1 RCT-189	1.3470984	1.4619268	<u> </u>	-	1.0318937	1.2396235	1.3583872	1.1041511	1.95038253	4 4622844	1,3040437	4 125570	1 4318979
Phase-1 RCT-40	1.2239301	1.1034546		_	0.79130455	0.0222527	4 25/381	1.327.3443 1.0858037	1 0807853	0.859296	2 188757	1 2636069	1329916
Unnary protein 2 precursor	1,5330385	1.5114492	0.00718.0	0.74078633	0.0343401	10119269	1 0515544	1.0128017	0.9985652	0.9427155	+==	0.95212394	1.0198944
Farackonase 1	1 5095946	1 7193444	: 4	-	0.635787	-	0.81214744	1.0035288	1.1018152	1.2908162		1.6880068	1.0784471
Presentio-1	1.8529058	1.1621615		-	0.43437248	_	1.1584792	1.2575405	0.87192947	0.97127765	_	0.62070968	0.8420814
Phase-1 RCT-38	1.3405435	1.235193	0.75803494		0.7186273	-	0.87303233	0.8456874	0.9906432	1.1965963	-	0.75802426	0.7487763
Phase-1 RCT-270	14330322	1.6158919	1.0041107	1,00365	1,0005586	1.0828471	1.3685873	1.4785362	1.2528906	1.2349112	1.1232824	0.934988	1.1213268
Transflyretin	1.3264352	1,6158692	0.67402405	0.44856006	0.4162147	-	0.89906794	1.0848751	0.7772953	0.84487873	1.5377084	_	1.2138711
Henatic linase	1.2149947	1.2364718	0.79572666	0.7571849	0.53732	1,1703931	0.59055066	0.66957176	0.66383326			ᆏ	0.56009408
Cytochrome P450 11A1	0.77619904	0.7022573	0.9716611	0.9833385	0.99795985	1.0157073	0.93668383	0,98337704	1.0011629	_	8	0.80395707	1.1042892
Phase-1 RCT-175		1.2400107	0.89360595	0.81897855	0.77009785	1.1808162	1.1776234	1.3162769	1.4969492	1.168396	1.4097599	1.1240064	1.0947565
Phase-1 RCT-117	1,1984391	1.2757537	0.96088815	1.0947727	0.85036355	1.0330738	1.0984658	1.1961775	1.216433	1.3383827	0.98564684	-+	1.1822119
Phase-1 RCT-137	1,5378993	1.7540562	0.8095474	0.7889221	0.552071	1.2764891	1.0954912	0.8878304	0.9442198	0.91335994	1,4234064	-	0.99497867
Melanoma-associated antigen ME491	1.0499053	1.105317	1.0797762	1.2323722	1.1641998	0.89281	1,1140764	1.2352614	0.87242013	0.83993906	0.9570356	1.0776676	0.8592353
Phase-1 RCT-12	0.7788463	0.77183056	1.0230986		1.0719265	0.905771	0.8567398	0.9113789	0.8819015	0.8992224	-	0.9134523	0.739342
Phase-1 RCT-152	1.32434	1.3338519	0.93339294	ᆏ	0.93961304	0.988084	1.0349246	1.0153865	1.2406565	1.0663783	1.0407035	120818620	00000000
14-3-3 zeta	0.60366386	0.60836226	1.236708	1.495327	1.1589068	0.979403	0.9817888	1.086767	0.9546699	0.9/621095	3207702	4 4572505	1.1191930
Cytochrome P450 2C23	0.9776977	1.951858	0.9154268		0.70093876	1.0345389	1.0260115	0.90023947	12461257	0.94782277	1,524/333	1.1023301	1.1631971
Voltage-dependent anion channel 2 (Vdac2)	1.120851	1.188442	0.9686615	0.9391525	0.86066973	1.3871534	1.1183808	CUCTEST.1	1.125/223	1.1040040	C005C47"	1.000013	1.07.00142
Phase-1 RCT-154	0 7409971	0.5378008	1.1342084	1.2516856	1,070859	1.1688327	1.1167089	0.87683755	1.1130904	1.0912505	0.9974479	1.0592324	1.1842642
Supernxide dismutase Mn		1.3460727	1,3063849	1.5980414	_	0.94031525	0.9566949	1.0175234	1.0968761	0.9910877	1.0768795	_	1.2556896
C-MyC	0.53154314	0.5553087	1.3884487	1.6744187	1.4409946		0.95039194	0.9592961	1.0782863	1,0097561	1.0161318	= 1:	0.93614626
Phase-1 RCT-196	1.2115219	1.1877297	0.7868414	0.6290527		ន្ត	1.3393956	1.0831472	0.96276546	0.80424595	1.108084	1.0321137	0.9685853
Cyclin G	0.7922382	0.66802716	1.3745749	1.6233068	1.2835743		0.99474055	0.9805602	0.97021997	0.9889229	0.806/0663	27/25/17	1.2383333
Calgranulin B5	0.77510136	0.87861437	1,1835597	1.2783688	1.207424	0.9930098	0.8999407	1,0158995	1,01808/3	0.9918952	0.91/34//	1.010404	0.8363514
p53	1.0361072		1.2521526	1.2612504	0.9461566	0.9716878	1,0376903	0.856326	0.94595987	0.974696	0.8504055	0.0013304	0.0760
Phase-1 RCT-205	0.97782713	0.95579684	1.169301	1.2521225	1.1805941	1.0316281	1.0332003	1,0333303	1.0139332	10134537	0.96987313	1 221 2994	1 2813135
Phase-1 RCT-68	1,0049536	1.0097/87	0.9201000	4 25030033	4 4077649	-	0.00056304	0 9395318	0.9716406	1 0205729	1.0217234	1.0500149	1,1950043
Caspase 3	4 4520040		1.1002/91	1 1708527	104673		0.69045	0.8010097	0,79625624	0.803584	0.9867037	0.8060367	0.6430847
Pipesomel pertain 1 13A	1 5514863		0.974562	1.1429586	1.105641		0.89641565	1.2243375	1.3325597	1.2555847	1.4471568	1.1706531	1.0532341
IcE hinding protein	0.92092806	L	0.9000774	0.83905524	0.89779806	1.0465435	1.1453815	1.1530309	1.1703004	1.142045	0.8116588	1.1622323	1.1153607
Phase-1 RCT-39	0.96320045	0.96190614	0.97158194	1.2165273	1.182569	0.8658794	0.95898235	1.0253248	0.957026	0.9618945	0.97522205	1,084732	1.0781833
Cofilin	1.1509507	1.1028041	0.9378684	0.84569676	0.7412532	1,1032263	1.0245838	1.1768026	1.0187398	1.0796642	1.1997886	1.0124148	1.1405263
Heme oxygenase	0.7707242	0.9808832	1.0463618	0.8595166	0.9338662	1.0543134	1.4806/18	1.0965084	1.18250/8	1.17/3443		0 89744278	0 7500152
Phase-1 RCT-241	0.7747208	0.7262211	1,0056971	1.1333087	1.2800469	1.0462970	1.1282430	0.8028101	1 1073786	1 137837	_	1 0538338	0.8965895
Ribosomal protein S9	1.5258468	1.2485844	1.3009809	1.2081486	1 1487510	1.052/02/1/3	1 0686125	1 077604	1 053211	1.0165292	-	+	0.84212554
PTase-1 KCI-236	0.0130120	1 5401000	0.750079	0 5735568	0 53145474	1 384146	1 3484147	1 2397845	1,7201061	1.1644546	+=	1.1616768	1.2649676
Dheer-1 OCT, 180	0.070551965	0 7782789	0.9105614	0 93329835	0.95090646	1,4803859	1.0721633	0.8750628	0.95887315	1,128116	1,0210711		0.75556755
Multidom resistant protein-1	0.645967	1.0715888	1.2914727	1,4659567	1.3232402	1.0387156	1.0215632	0.9612642	1.0127537	1.0274177	0.9631196	1.1456487	1.1847847
Omithing decarboxylase	0,7772628	0.6756911	1.1004072	1.1450986	1.0788374	1.1985838	1,2558339	1.0506904	0.9498547	1.0682747	0.98904485	0.94539136	1.0401229
Thymosin beta-10	1.4917367	1,2076551	0.84411734	0.87991077	0.8007828	1.0226859	0.9214841	1.0081626	1.0814888	1.0255475	1.5219233	0.9581566	0.8614191
Phase-1 RCT-72	0.7989049	0.94950324	1.0411463	1.1040659	1.0457451	1.0213201	1.0128923	0.9477841	0.9273486	1.0046018	1.0128772	0.99933108	0.0555423
Phase-1 RCT-109	1.337058	1.2669846	0.83821076	0.9537827	1 2444402	1.17947/11 0.7284707	0.75115007	1.2361204 0.7243408	0 6777747	0.6958706	1 2092658	3 13	0.83213456
Phase-1 RCT-76	1.10/143	1.0248134	0.7462849	0.7/6833	0.7147252	0.72187034	4 1906288	1 1012614	0.0112249	0.95229053	1,239048	8715	0.9951622
Vacuole memorane protein 1	1.503445	1.0023314	0,307,00,0	U.Sorororor	U.1 191 CUE.	0.7010101	1.1000001	11,221,211					

			1000000	00730707	4 4075046	4 0404047	0 0804281	0.93544525	1 3861774	1 2195847	0.9258701	1.0496894	0.9558996
Phase-1 RCT-158	1.0434004	0434004 0.97352433	0.9289761	1.0482400	0.00.00	1000000	0.000	4 000000	0.0207030	1-	0.9663431	0.8858881	0.8107878
Phase-1 RCT-113	1.0829448	- 1	- [0.8298866 0.96244276	1,2233822	0.89310434	U.983/2//	1,0308283	0.0702000	0 8040537	1 3956914	0.8339272	1.0410879
Endogenous retroviral sequence, 5' and 3'	0.8756664	0.8849374		0.73811924	0.72655797	0.7412376 0.73811924 0.72655787 0.72291803 0.7864437	0.78044437	201 /00	0.1020102	0.00000			
LTR	0 64500444	0 50005404	4 0244808	4 OSSAR13	1 1502745	1 081891 0 92146428	0.92146428	0.907762	0,71930647	0.78302286	1,2780128	1.2780128 0.81171864	0.6514357
Beta-actin	0.5156/4/4	PC COOPE	00011000	0 8596532 0 96268624	0 98268824	1 0422832	0.9805102	1.0602915	1,0635049	1.1311435	1.0710588 0.98637253	0.98637253	0.9358417
Phase-1 RCT-65	0.9032204	1,132017	U.90322304 1.1 1923/1 U.30004114	4 4083245	4 3210074	0 9906872 0 99868685	0.99868685	1.0059087	0.9374352	1.0553381	0.9662487	1.0158764	1.002402
MHC dass I antigen RT1.A1(f) alpha-chain	0.41233346	0.41233346 0.48589122	•	1.10032#3		4 22077R2 0 79974486 0 8250983	0.8250983	0.7300965	0.75538665	0.7800917		0.99023956	0.9984193
Bax (alpha)	0.8251528			7000187		1 1874048 1 1463575	0.92050856	0.7950811	0.906508	0.8447568	0.8939434		1.0184896
Carbonyl reductase	0.83/1/260	_	75080550	0.400(043) 0.2200037 0.78310845 0.77020067	0 7700067		1.1045319	1.0167222	0.9129193	0.97675323			0.78307146
Beta-actin, sequence 2	1.1044931		4 0070669	4 8300557	4 5531254		0 79288447	0.78264668	0.8313957	0.8140281	0.9641291	0.89440995	0.9803797
Interleukin-10	4 20053245	4 9240400		1 -	1 1078466	1 1078466 1,0070107 0,9413286	0.9413286	0.87294316	0.820135	0.891997	0.9401304	0.9251101	0.8495165
Mase-1 RCI-191	1.290260	Ш	O TOJEGRA	17		1 1194713 0.87028515 0.89517784	0.89517784	0.8669971	0.71387815	0.70880204	0.9830867	0.7374187	0.68094295
Phase-1 KCI-111	1,0043034	Т.	0 0780073	0 0780023 0 91967094	1	0.6183556 1.4439096	1.0916266	1.0866348	1,0984899	1.0427808	1.2384206	1.0855018 1.3541455	1.3541455
Apoptosis-regulating basic protein	1.372024	4	0.300352	4 4050503 O 39889404 O 52807504		0.3692653 1.5776939	0.6222606	0.7098082	1,147054	0.9975797	1.274578	0.8716879	0.92326224
Glutathione peroxidase	1.470739	- 1	0.13002104	0 000 TOTAL O TOTAL O 85823144 0 92616134	A 85833144	0.92616034	0 8891352	1.01074	0.9126832	0.937862	0.937862 0.93589866	0.7754941	0.7583675
Phase-1 RCT-239	1.1248585		1	4 44574	4 1065364	1 0810108	0 9932227	0.97415835	0.97319794	0.99899054		1.0688199	0
Phase-1 RCT-67	1.1908185	1.3200202	1,035403	ľ	1	0 7405004 0 84746368	1 0247753	O REGNAR97	1 072822	1.0003046	1.1639221	0.80370045	0.9673067
Tryptophan hydroxylase	0.77221884	0.842/4646	٦.	0.0031107	1	4 0460070 4 0646644 4 3200312	4 2200312	1 3480686	1.1651949	١	1,1124402	1.0718338	1.4249092
Suffotransferase K2	0.66084415	-,	ı		- 1	1.00100.1	4 0424044	C97.8767	4 0820426		0.9522582	0.77876765	0.7434099
Calgrandin B9	0.89684486	- 1	4	- 1	0.6350950	OCCODED.	1.040440	4 0052644	0 0/660217	0 9805035	0 9327767	1.0334674	1,0089153
Phase-1 RCT-123	1.2478033	- 1	_1	1.501405	١.	1.135020	0.1504110	1020201	O DIERRACE	L		0.8412846	0.8301562
Phase-1 RCT-98	1,1043575	1.2369179	- 1		1.0354167	1.1923/28	4 6064890	4 009088	0 9393608	L		1.0421772	1,0661333
Aquaportn-3 (AQP3)	0.96319246	96319246 1.1308475		1.0200766	L	1.0014403		5	0.050478525	0.048583915	0.26070574	0.30710745	0.06908642
Stearyl-CoA desaturase, liver	1.383832		_1	_	0.1929/509	1.0441334	0.12040637	0.0347 10202	0 7334478	O ROABAGE	0.9230288	0.690632	0.7908823
Phase-1 RCT-64	0.9440496		1,0353768 0.92682296	0.8850498	0.802448	1.0817747	1.0817747 0.62114893	1	0.1304420		2000000		
(1) Gene expression data for 24 hour													
timepoint are presented as mean ratio of													
treatment/control for all 24 hour predictive	_												
genes (Table 5).													
(2) Compound and dose abbreviations as in	_												
Table 1.													
(3) Individual animal number													
(4) Liver inflammation classification for													
compound-dose group at 72 h: yes-necr,													
necrosis observed; yes-both, necrosis with													
inflammation observed; no, no histopathology	<u> </u>												
opserved													
(5) Predictive gene (as in Table 5 and as													
IRRUDGO III LADIE 20)													

Name	
Carr 130 Carr 130	HYD 250 HYD 250 HYD 1000 HYD 1000 ISON 50 ISON 50 ISON 50 ISON 200 ISON 200
12702838 0.898922 0.8983577 0.7889740 0.9982737 0.789877 0.78977 0.78977 0.78977 0.78977 0.78977 0.78977 0.78977 0.78977 0.78977 0.78977 0.78977 0.78977 0.78977 0.78977 0.78977 0.78977 0.78977 0.78977 0.78977 0.7	234 1775 1776 1734 1235 1944 1945 1946 1946 1954
1.27022336 0.68989220 0.93653577 0.76681400 0.9302737 1.0389371 0.6898927 0.93653172 1.0724459 1.0389371 0.6898927 0.9363122 1.0724459 1.0389371 0.6860871 1.0562912 1.0562927 1.14097461 1.22474 1.226722 1.0563912 1.0562921 1.14097461 1.22474 1.097461 1.066312 1.0562921 1.0562921 1.14097461 1.22474 1.1724622 0.78699103 1.011055 1.0562921 1.14097761 1.097461 1.1724622 0.78699103 1.011055 1.049704 0.78267737 1.172462 0.78699103 1.011055 1.049704 1.049704 0.78267737 1.172462 0.78699103 1.049704 1.140475 0.8869126 1.049704 0.7826773 0.786773 0.178673 1.1787625 0.786773 1.1787625 0.786784 1.140475 0.887764 1.140476 0.887764 1.140476 0.8877624 1.140476 0.8877624 1.140476	OL CL
1,2702836 0,88080223 0,9818151 0,9081721 1,0828377 1,0483977 1,0483977 1,0483977 1,0483977 1,0483977 1,0483977 1,0483977 1,0483977 1,0483977 1,0483977 1,0483977 1,0483977 1,0483977 1,0483977 1,0483977 1,0483977 1,0483977 1,0483978 1,0483978 1,0483978 1,0483978 1,0483978 1,0483978 1,0483998 1,048399 1,0483998 1,0483999 1,04839998 1,0483999 1,048	
0,14720359 0,5860864 0,586087	A 2017/27 0 70593997 1 048167 0 80472106 1.0642765 0 89446527 0 98334306 0.7545916
0.14703369 0.14703369 0.2503544 0.2503547 0.2503544 0.2503545 0.2503554 0.2503554 0.2503554 0.2503554 0.2503554 0.2503554 0.2503554 0.2503554 0.2503554 0.2503554 0.2503554 0.	4.0724.450 0.0704.69 1.139133 1.2130355 0.98653958 0.89123917 0.9005471 1.0150811
1,0353917 0,553564 0,553565 0,553561 0,55361	10552078 0 728824 0 95342486 0.99125236 1.0940017 0.95749927 1.1608081 1.1868123
0.3552416 1.2017461 1.2014244 1.2006471 0.30073482 1.0052491 1.0	1035354 103476 1.1473181 0.94087476 1.0194309 0.9971745 1.0182787 1.021613
1,11460446 1,2344534 1,23051413 1,14404521 1,0353911 1,1440422 1,12213788 1,2231274 1,1774662 0,78699103 1,011055 1,0353911 0,037748313 0,0372665 1,0497091 1,01055 1,037265 1,0497091 0,0372665 1,0497091 0,0372665 1,0497091 0,037265 1,0497091 0,03526373 1,1057398 1,1067398 0,0367457 1,1154545 0,032645737 1,1105739 1,1205999999 1,0357265 1,1403478 1,125725 1,125727 1,125725 1,125725 1,125727 1,1257	1.000500 4.0573004 0.93870413 1.0408777 1.0164456 1.107393 1.120058 0.8445268
1, 1, 1, 1, 1, 1, 1, 1, 1, 1, 1, 1, 1, 1	4.0522014 0.023100 0.0255085 0.0252085 1.1271849 1.1432244 1.0183791 1.1889317
1,2213786	1.02021 1.0202
0.6660295 0.87748315 0.8772665 0.825685 1.037085 1.037	1.011035 1.007004 0.830084 0.0000084 1.0000008 1.0000036 1.0011089 1.0354378 0
0.872611066 0.7834986 0.8026941 0.8972665 1.0420455 0.80261244 0.80261244 0.8020466 1.402405 0.80261244 0.8026124 0.80261244 0.80261244 0.80261244 0.80261244 0.8026124 0.80261244 0.80261244 0.80261244 0.80261244 0.8026124 0.80261244 0.80261244 0.80261244 0.80261244 0.8026124 0.80261244 0.80261244 0.8027844 0.802	1.0920497 1.0183889 1.0080000 1.1000000 1.0000000 1.0000000 0.0000000 0.00000000
0.873263 0.76047374 0.8300747 11854305 1.45043182 0.8264124 0.8264124 0.8264124 0.8264124 0.8264124 0.8264124 0.8264124 0.8264124 0.8264124 0.8264124 0.8264124 0.8264124 0.8264124 0.8264124 0.8264124 0.8264124 0.8264127 0.8264127 0.8264126 0.8264127 0.8264126 0.8264127 0.8264126 0.8264127 0.8264126 0.8264127 0.8264127 0.8264126 0.8264127 0.8264126 0.8264127 0.8264126 0.8264127 0.8264126 0.8264127 0.8264126 0.8264127 0.826412 0.8264127 0.8264126 0.8264126 0.8264127 0.826412 0.8264127 0.826412 0.8264	1,0497019 0.9194645 0.95154 1,0522314 1,054200 1,0502323 0,030232 0,03023 0,03020 0,03020 0,0
Consisting O.882517284 O.8215179555 O.85414596 1.0530566 1.5043102 clopesested 0.716005883 0.171605893 1.1121545 0.80603044 0.8988312 nisposter 1 1.2569186 1.10560831 0.15160598 0.8107199 0.8107199 nisposter 1 1.2569185 1.2504399 0.8107799 0.8107799 0.8107799 nisposter 1 1.2569185 1.2504399 0.8107799 0.8107799 0.8107799 nisposter 3 1.185597 1.8250728 1.705608 0.8107799 0.810789 0.810789 nisposter 3 1.177724 0.8277165 1.7057720 0.8107799 0.810789 1.1046655 nick 3 1.177724 0.82757167 1.1077079 0.9277059 0.711737 0.711737 nick 4 1.177724 0.82781767 1.1077079 0.9282647 1.1086077 1.1172855 0.92817069 0.9281095 1.1172869 0.9281070 0.9281072 0.911709 1.1172855 0.9281072 0.11172869 0.9281072 0.1117289	1.1423485 1.2990711 1.0057732 1.0578436 1.0748182 0.95490901 1.0578501
0.8252576 0.7160699 0.79657537 11978625 1.400476 1.057886 1.1056881 1.1056881 1.1056881 0.83180344 0.8586481 0.8686481 0.8586481 0.8686481 0.8686481 0.8686481 0.8	1.5943182 1.4437972 0.990927 1.0181186 1.440526 1.073033 1.340920 1.0520911
1,1057888	1.1403476 1.1009313 0.9758519 1.3978/13 1.1102301 1.1019200 1.041031 1.1000001
1269914 126918 12004399 0.8196931 0.8196933 0.8196931 0.8196931 0.8196931 0.8196931 0.8196931 0.8196931 0.8196931 0.8196933 0.8196931	1,365467 1,1678177 1,0222437 1,0264909 1,1126515 0,8844489 1,1860509 1,1780500
1.2569/18 0.3503/18 0.35	0 8988312 0 86782134 0 89348024 0 78714186 1 0302216 0 97406137 1 1138277 0 8668429
0.82244221 0.8244221 0.8141844 0.4151873 0.477501 0.4264585 0.9327468 0.8741844 0.426458 0.9477501 0.92644221 0.92754422 0.9477501 0.9975501 0.9477501 0.9975501 0.9	0.8746755 0.8740809 1.1839033 0.9646989 0.8224811 0.7313073 1.0042616 0.82378635 C
0.5845227 1.8853.71	4 3658245 11474117 0.4942059 0.8594516 0.6686742 1.1579013 1.6050224
1,0000835 0,35217484 1,101702 0,9140614 1,10206085 1,107044 1,101702 0,9140614 0,914	1 02021 1 1001874 0 88884317 1 0624366 0 9328247 1 0237162 1 2248577
1,137634 1,220074 1,1037034 0,9404428 0,940422 0,98010125 1,13734 0,9125726 0,9968445 1,086761 0,9276849 1,13734 0,9275174 1,087705 0,140581 0,98010125 1,13734 0,9275174 1,087705 0,140581 0,98010125 1,13734 0,9275174 1,080705 1,141285 0,98010125 0,850107 0,2490685 0,749724 1,062855 1,141285 1,141285 0,749724 1,2007189 0,9801705 1,126841 1,061052 1,0070899 0,2490681 0,9801705 1,141085 1,141285 1,27078 1,200170 1,200170 1,168819 1,061057 1,27077 1,007189 0,980170 0,980170 1,168819 1,27077 1,007189 0,980170 1,004170 1,004170 1,007189 1,006170 1,26170 1,26170 1,004170 1,007189 1,006170 1,26170 1,26170 1,26170 1,007189 1,006170 1,26170 1,26170 1,26170 1,007189 1,006170 1,26170 1,26170 1,26170 1,007189 1,006170 1,26170 1,26170 1,26170 1,007189 1,006170 1,26170 1,26170 1,26170 1,007189 1,006170 1,26170 1,26170 1,26170 1,007189 1,006170 1,26170 1,26170 1,26170 1,007189 1,006170 1,26170 1,26170 1,26170 1,007189 1,006170 1,26170 1,26170 1,26170 1,007189 1,006170 1,26170 1,26170 1,26170 1,007189 1,006170 1,26170 1,26170 1,26170 1,007189 1,006170 1,26170 1,26170 1,26170 1,007189 1,006170 1,26170 1,26170 1,26170 1,007189 1,006170 1,26170 1,26170 1,26170 1,007189 1,006170 1,26170 1,26170 1,26170 1,007189 1,006170 1,26170 1,26170 1,26170 1,007189 1,006170 1,26170 1,26170 1,26170 1,007189 1,006170 1,006170 1,26170 1,26170 1,007189 1,006170 1,006170 1,006170 1,006170 1,006170 1,007189 1,006170	1.1048000 1.0242240 1.004647 1.006833 0.91268286 0.9030863 0.91797894
1,1376358 1,7075459 1,473501 0,9810324 1,1071324 0,9173128 0,9810445 1,0871031 1,097	4.04.17.00 0.0000000000000000000000000000000
porter 3 1,1998/149 0.8125/1284 <	4 1 08 103 26657 0.9696869 1.0565768
1,1277334 0,8273115 1,027205 0,77407512 0,72504325 1,02504325 1,026525 1,1412055 0,7407512 0,72504325 1,026525 0,7407205 1,026525 0,7407205 1,026525 0,7407205 1,026525 0,7407205 1,026525 0,7407205 1,026525 0,7407205 1,026525 0,7407205 1,026525 0,7407205 1,026525 0,7407205 1,026525 0,7407205 1,026525 0,7407205 1,026525 0,7407205 1,026525 0,7407205 1,026525 0,7407205 1,026525 0,7407205 1,026525 0,7407205 1,026705 0,740705 1,026705 0,740705	0.557.0559 1.000ZF.705774 1.19748 1.0505072 0.9475783 0.86211994 0.86984897 (
0.837541 0.925272	n 9785357 0 8776573 1 1309985 0.9794306 0.91298723 0.9420473 0.8210973
0.8351541 1.285254 1.185281 1.185282 1.125652 1.185282 1.125652 1.12562 1.12	4.0520726 0.052020 0.0520218 1.0502056 1.0802664 0.05809174 1.0495497
0.0850107 0.53400850 0.7407280 1.1262641 1.0303708 1.16610821 1.0663873 1.3262879 1.1262681 1.0303708 1.16610821 1.0663873 1.3262879 1.1262681 1.0303708 1.16610821 1.0242802 1.000708 1	4 4 10 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2
0.065387 0.066587 0.066787 0.066787	4 1000018 1 009254 0.94986147 1.1598524 1.1448548 0.9106543 0.805737
1.0853873 1.336287 1.1086387 1.08538	4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4
1,0007909 0,2034424 0,30310607 0,1006070 0,1	1.000000000000000000000000000000000000
1.00/75001 1.0	0.9765203 0.97784233 0.90669477 1.0328751 1.2618638 1.1104137 1.0351758
1,710761 1,071976 1,00419516 0,0025643 0,99302863 0,99302864 0,0044193 0,99302864 0,9045644 0,9045645 0,9045648 0,9045648 0,9045648 0,9045648 0,9045648 0,904664 0,9046648 0,9046648 0,9046649 0,9046648 0,9046649 0,9046649 0,9046649 0,9046649 0,9046649 0,9046649 0,9046649 0,9046649 0,9046649 0,9046649 0,9046649 0,9046949 0,9046649 0,9046949 0,9	1 823 6 1 1002423 0.9979322 1.0438063 1.1657636 1.1050277 1.002423 0.9979322 1.0438063
0.89728/174 0.17227189 0.1022222 0.2047182 0	1.037020 1.0370204 1.0290707 1.3884486 1.0120587 0.9755759 0.9650489 1.037613
1,251930 1,345910 1,3461795 0,34477956 0,3604207 0,34551735	4 0044493 0 7898441 1 0453608 0 7993478 1.1992282 1.0855912 1.4088883 1.1507184 1
1,087956 1,0874564 0,2875564 0,2800966 0,3401599 1,087956 1,0874564 0,2875564 0,2800966 0,3401599 1,186776 1,082381 1,28218 0,8401187 0,8417186 1,187776 0,78595626 0,5601406 0,96055547 0,8005564 1,1097716 0,7897765 0,783784 0,8401189 0,8401186 1,10018 0,8496484 0,828394 0,865704 1,4067187 1,10018 0,84964894 0,828394 0,865704 1,367182 1,116710 0,845285 0,8283179 1,327278 0,9401094 1,116710 1,049771 0,8452778 0,8401094 1,116710 1,049771 0,845277 0,845766 0,8811658 0,8401094 1,116710 1,049771 0,845778 0,84776 0,84776 0,84776 0,84776 0,84776 0,84776 0,84776 0,84776 0,84776 0,84776 0,84776 0,84776 0,84776 0,84778 0,84	0.87351235 1.0088346 1.1188719 1.016449 1.2436479 1.0595856 1.2696177 1.138194
1.10617920 1.10302381 0.252281 0.3513647 0.574201 1.10617920 1.10302381 0.25201406 0.80359547 0.575742 1.106170 0.1030281 0.2501406 0.80359547 0.575742 1.106170 0.1030281 0.8030393 0.80211368 1.106170 0.1030281 0.8030393 0.80211368 1.106170 0.1030284 0.202881 0.3627814 1.3627014 1.107170 0.8522881 1.005178 0.3627814 1.3627014 1.107170 0.8522081 1.005178 0.3627814 1.3627014 1.107170 0.8522081 1.005178 0.3627815 0.3627814 1.107170 0.8522081 1.005178 0.3627815 0.3657815 1.107170 0.8030237 0.8030237 0.803028 0.3657178 0.3657135 1.107170 0.8030237 0.8030281 0.803787 0.3657132 1.107170 0.8030237 0.8030281 0.8037878 0.3657132 1.107170 0.8030237 0.803237 0.8178815 0.8188778 0.8188778 1.107170 0.8030237 0.8032371 0.8178815 0.8188778 0.8188778 1.107170 0.8030237 0.8178815 0.8188778 0.8188778 1.107170 0.8188778 0.8188778 0.8188778 0.8188778 1.107170 0.8188778 0.8188778 0.8188778 0.8188778 1.107170 0.8188778 0.8188778 0.8188778 0.8188778 1.107170 0.8188778 0.8188778 0.8188778 0.8188778 1.107170 0.8188778 0.8188778 0.8188778 1.107170 0.8188778 0.8188778 0.8188778 0.8188778 1.107170 0.8188778 0.8188778 0.8188778 0.8188778 1.107170 0.8188778 0.8188778 0.8188778 0.8188778 1.107170 0.8188778 0.8188778 0.8188778 0.8188778 1.107170 0.8188778 0.8188778 0.8188778 0.8188778 0.8188778 0.8188778 0.8188778 0.8188778 0.8188778 0.8188778 0.8188788 0.8188788 0.8188788 0.8188788 0.8188788 0.818878 0.8188788 0.8188	0 9401599 0 9283467 0 94865915 0.8337455 1.0437659 1.074571 1.0101866 1.123446
1,1086/17 1,1085/18 1,10	0.8747011 0.87079576 0.85592395 0.8652465 0.91850007 1.0568525 1.0173639 0.67137766
1,151956 0,1500505 0,5005195 0,500	1.0557543 0743837 0.98523705 0.73003966 1.0235699 0.9698631 1.226455 1.2267518
0.9896491 0.99965865 1.052071 0.2005951 0.88701564 0.9896491 0.99965865 0.9837044 0.9206584 0.98965865 0.9837044 0.9206584 0.98965865 0.9837044 0.9206584 0.9206584 0.9206594	1 0 8221356 1 2184277 0 8701803 0 8673543 0 1797558 0 8877618 0 9973171 1.0180275
0.0999491 0.59905050 0.5950504 0.5950505 0.5950505 0.5950504 0.595	0.83704564 0.8370456 0.8381087 1.0519667 1.0308313 1.5700697 1.3536562
1,1001186	1744459 0 98891246 0 9928849 1 0334073 0 7474373 0 78720546 0 8203873 0 9175431
1,1100166 0,85,2836 0,85,8036 1,2718791 1,35,20182 1,066,796 1,066,796 1,066,796 1,066,797 1,066,796 1,066,797 1,066	4 087737 4 0856002 0 9205775 0 9878899 0.8712091 0.9499825 0.94187456 1.0428163
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1.0179816 1.0352173 0.0352173 0.0352173 0.03551955 0.03551955 0.03551955 0.03551955 0.03551955 0.03551955 0.03551955 0.03551955 0.03551955 0.03551955 0.03551955 0.03551955 0.03551955 0.03551955 0.0355195 0.	0.54010043 1.0511043 0.09288205 0.91883063 0.85686444 0.9085148 0.81430763 0.8313814
0.83504237 0.8312341 1.183506 0.881532 1.0557332 1.0557332 1.0557332 1.0557332 1.0557332 1.0557332 1.0557332 1.0557332 1.0557332 1.0557332 1.0557337 1.0523371 0.81789915 0.81895755 1.05154755 1.0523371 0.81789915 0.81895755 1.0515475 1.05154755 1.05154755 1.05154755 1.05154755 1.05154755 1.05154755 1.05154755 1.05154755 1.05154755 1.05154755 1.0515475 1	0.8541954 0.8834368 1.0480126 0.88137865 0.8530107 1.0205733 0.89970616 0.8310848 0
0.83904231 0.8312241 0.8173709 0.3010222 1.0166115 0.8062352 0.477371 0.81789915 0.61865755 (elitemate done 1) 1.2115475 0.8855131 1.0823371 0.81789815 0.61865755	1 0557372 1 015557 1 0043815 1 0602081 1.0162618 0.96833867 0.9247011 1.0459725
1,0195115 0.08042532 0.1 135000 0.001219 1.3345925 0.84426755 1.1305418 0.6477811 1.572599 1.3345925 1.4115475 0.8855131 1.0823371 0.81789815 0.81885755 0.8855755 0.885575 0.88575 0.885575 0.885575 0.885575 0.885575 0.885575 0.885575 0.88575 0.885575 0.88	0.7545403 1.013888 0.89123714 1.0719646 0.96125376 1.211948 1.0542142 0.7009875 C
1.2115475 0.8855131 1.0823371 0.81789815 0.81865755	13346957 1285882 1036237 0.9387441 1.695688 1.8707928 1.3424957 1.635484
	0.81885755 0.85122436 1.0134186
0.79406863 0.92587125 1.1258496	4.1258496 1.1900832 1.134898 0.51011407 1.2401871 .00000001 .0019383
nordeln-2 1.0382733 1.05017 1.4639835 0.7760969 0.9476298	0.9476298 0.81904086 1.0389432 0.0018182 1.0338001 1.1352332 0.0018182

							1000000		21000000	1000000	1007070	4 04064261	4 0425404
Phase-1 KC 1-49	0.9035108	0.9041152	0.97.24.203	0.95954574	0.9632800	1 150567	1 1204804	1.0132308	0.96360978	4-	0.96737236	0.9178016	0.9062931
NADP-dependent isocitrate dehydrogenase.	11177726	1.2810171		+	0.9016394	0.9137557	1.0431974	0.96917844	0.8178391	_	-	0.90042126	0.89826375
cytosolic					-						1	100	000000
Octamer binding protein 1	1.1131318	0.88388747	1.1553645	1.1651145	_	0.9293768	0.9367259	0.8802673	0.95207435	1,06625/4	_	1.004233	1.2930139
Sodium/bile acid cotransporter	0.9928173	1,2368286	0.6697392	0.8149502		0.87654626	U88098-0	0.803410			0.0000303	4 0003600	4 004000
Phase-1 RCT-174	0.9815509	1.017731	0.9915848		_	0.98/7/7/5	1.0282135	1.204103	-	0.83043034			0.80782056
Phase-1 RCT-77	0.9489244	0.7559252	0.7991054	-	_	0.84702414	1.020501		0.03916100	0.0020705	-	_	0.0070230
Inositol polyphosphate multikinase (IpmK)4	1.1302369	1.7192897	0.87448255 0.84404606	0.84404606	1 0040214	0.86912084	1.0562403 0.94818956	0.9444213	1.0300735	-	_	1,0152988	1.2191864
Frides-I ACI-230	0.8110661	1 0901519	0.8949498	-	-	0.95446026	1.0804304	1,1566039	0.90966314	0.905031	0.8184449	0.9190189	0.8099765
nucleoside transporter													
CDK102	1.1246629	1.0825552	1.1186306	0.89780986	0.9655682	0.9610749	1,0303564	0.89378226	1.0293167	1.0009392	1.1130519	1.2077318	1.2715989
Phase-1 RCT-209	1.0638688	1.1160479	1.0241308	1.1472267	1.161848	1,0739661	1.1012899	0.9262657	0.98501945	1.0915806	0.9657764	1.055557	1.0547922
NADH-cytochrome b5 reductase	1.0198122	0.75785416	0.8629723	0.87794515		1.0081551	0.9778786	1.0029769	0.85131794	0.7856769	-	1.13816	0.8811009
Dynamin-1 (D100)	1,0976964	1.12729	1.0962949	1,0989808	-	0.93843025	0.9794911	0.9806246	0.9577717	0.9284474	-	0.94250554	0.96200285
Senescence marker protein-30	1.244297	1.388354	1,2558265	0.8405275	0.93606764	0.777746	0.99379164	0.71824884	13233312	1.0193983	1 2239228	0.9022477	0.895805
Phase-1 RCT-89	0.9022881	1.1569375	1.0637238		0.99887574	0.9804561	1.1150047	0.94103813	0.92901736	1.0099242	1.104507.1	1,014,0003	0.0375202
Camifine palmitoyl-CoA transferase	1.7831252	1.1160477	1.3098538	1.1647052		1.2268768	1.1038/33	0.9789007	1.0420814	7790427	1.00101010	1,0023919	0.8373202
Alpha-2-microglobulin	0.40555158	2.0323706	1.5267999	0.7876321	_	0.97236437	1.2350405	0.6222862	0.032/340	1 04040	_	A 8 1 5 30 5 3 5	0.0034034 0.78408846
Apolipoprotein CIII	0.8069858	0.9994127	1.0208783	1.0288476		1,0306310	1.0110352	1,0010749	0.00042000	4 0004247		0.0035254	0.8314736
Cathepsin L, sequence 2	1.3700572	1.3322263	1.4139735	0.91633364	-	0.80182993	0.5552240	1.0104/43	20000000	0 9262626	000000	0 7011204	0.7471177
Phase-1 RCT-141	0.8700716	1.13/1//	1.3964268	1.4447136	1.1/08071	1.1040201	1.0001023	0.080800	0.0002090	4 0488074	1 0830874	1 20136RT	1 2192571
Phase-1 RCI-289	0.952905	1.1//8190	1.143118	1.0602370	1.5000933	0.0110033	1 1003033	1 0135008	1 167462	1 0550709	1 1287345	1 4308085	1.0275693
Endomelin-1	0.94242/82	2 120/0120	0.9018529	4 4562144	0.0872885	4 0746703	0 08303585	1 1328361	1 2774137	0 9201248	0.9502055	1 2969319	1.1835076
PRISS-1 RC1-282	0.03314100	4 445/000	0.0049930	0 0408080	0.0003544	0.0033525	1 2996311	0.8439382	1.0066216	-	-	0,86519446	1,0009311
California Da	4 0187466	0.87347864	0 74584844	10	1 00795781	1 0598619	1.0765207	0.6175439	1.0176628		_	0.8851954	0.72254395
Phase 1 RCT-287	0.94294107	1 0744214	1.030503	0.9991974	0.8717947	1.1617852	0.9457136	0.7361027	0.91774464	0.9993638	0.92960495	0,8258006	0.82827437
Phase-1 RCT-281	1.1416338	1.1594089	1.07954	0.90726703	0.9197585	0.90147114	0.8946102	0.8403937	0.9450719	1.0167724	1.0098932	0.7954658	0.8714895
Retirol-binding protein (RBP)	1.0886132	1.2087088	1.2416284	0.8210069	1.0405831	0.7604555	1.1195494	0.80551636	0.66284007	0.8407766	0.71910053	0.9542623	0.7491064
ATP-stimulated glucocorticoid-receptor	0.8223845	1.4152279	1.4296607	0.83774436	0.8864414	0.8997137	0.9770935	0.7278989	0.82443315	1.0147107	0.88389415	0.8701312	0.8761911
translocation promoter (Gyk)					0.0000	0020007	4 00004745	4 040070	4 0000000	0.04050426	0 4055577	0.0024752	0 8020618
Phase-1 RCT-60	0,7167355	0.8555809	0.9038956	0.94973445	1.0989053	1.0526/82	GL/1580.r	1.046679	1,0200009	4 4620824	1 01477794	1 016861	1 0502899
Pynyate kinase, muscle	1.0722612	0.79955655	0.8095454	0.96/1666	0.9089285	1.10/5338	0.950882	1,05747.00	0.0036331	1.1330024	0.084874	A0010.	0.0482012
PAR Interacting protein	익	0.856/944	0.9600295	0.8471083	1.0028222	U.SCOUCOS	0.97311433	1,00530C	0.90139140	4 0007450	0.00000	N902700 0	0 000477
Nudeoside diphosphate kinase beta isoform	1,2227043	0.9956796	0.7809755	0.9384845	0.97210165	0.99412906	0.9564973	1.209/692	0.8245014	1.000/408	0.88458	0.037.2004	0.300411
Gadd153	1.1184	0.92790884	0.9995337	1.050868	1.1407677	1.0127143	0.9793034	0.8198498	1,1825036	1.1234419	1,2247586	1.06311	1.0854631
Insulin-like growth factor binding protein 1	1.4345232	20921576	1,605083	1.0410452	0.95823544	1.084	1,0188805	0.871158	0.94866794	1.0242032	0.91981345	0.7335718	0.81841034
c-H-ras	1.0575941	0.89773905	1.0856918	0.8866343	0.97994375	0.95241904	1.0354452	0.90770775	0,90770775 0.99749345	1.0415013	1.0011933	1.029562	1.1523035
N-hydroxy-2-scetylaminofluorene enfintransferase (STIC1)	0.88164437	1.2887497	1.0028814	1.0628104	0.9025569	0.8921995	1.1037802	1.0191003	0.83698285	0.88770276	0.6886919	0.8734899	0.7181792
Phase-1 RCT-52	13557001	0.8826683	0.9688794	1.0522594	0.76201206	1,0317308	1.0856926	0.85824737	1.0079159	0.9220461	0.96369404	0.9847068	0.9782465
Alpha 1 - Inhibitor III	0.88005626	1.1786325	0.84137124	0.83543295	0.9544944	0.8765229	0.80410594	0.60788065	0.70076853	1.0766128	-	0.5285459	0,5299165
Starol carrier protein 2	1,1095537	1.0020678	1.0064154	0.92193884	1.0197444	0.85741395	0.9451604	0.9011237	0.82231605			0.71029806	0.81099373
Organic anion transporter 3	1.1187407	1.0294971	0.8862291	0.8401815	0.778048	0.65176517	1.0557644	0.8243237	1.1395832		0.95527446	1.3530952	1.202.56/2
Calgranulin 84	1.1493657				1.0576253	1.1579489	1.0738946	0.941444	0.9238302	1.0860199	1.076079	0.96649	1.1930022
Phase-1 RCT-182	0.89720577	0.93388546	.1.0664732		0.9195814	0.82567465	0.9218923	0.8350927	~	4 0700530	4 3006670	0.9505997	1 0400285
Calgranulin B8	0.850159	0.9113169		٦	0.9310925	0.91402/1	1.0629773	0.933/090	0.0193904	15		0 8944158	0 9807548
Aldehyde dehydrogenase, microsomal	1.0212852	ч.	1.0396155	0.908682	0.88059807	COCUSTO, F	0.97370034	0.0943113	0.9007103		+	0 82896674	0 81167114
Phase-1 RCI-128	1.1650583	_	1.700997	4 2444466	1 2231082	700700000	0.00573085	0.8913922 0.0332002 0.00573085 0.81450784	1 4256184	1 1631548		1 4304422	1,2307757
Phase-1 RCI-102	0,007,0328	4 2244703	4 4044472	0000000	0 0400040	4 0417087	0.86047037	0.66530037	0.75153494	0.9548956	0.7810226	0.8168681	0.76957196
Preprogrammer, sequence 2	1,0234745	1 6734735	1 3554194	0.887003	0.8166048	0.6565382	0.81818318 0.69438758	0.69438758	1.2033402	-	0.8040246	1.3611115	1.0349523
Apolipoprotein Ali	1 116572	1 47584	1 460461	0.0703100	0 8378787	1 0505089	1 0484662	0.8607687	0.86407447	1.0742275	0.98715204	0.9178397	0.94055957
Dhase-1 RCT-48	1 6593747	1.8654797	1.3337924	1.1499543	1,4814893	0.92594284	1.1625558	0.9046681	1.2125466	1.1998762	1,2521398	1.3124697	1.3517832
Dhace, 4 RCT.3	1 0594101	1 3829082	1.1708802	0.9540422	0.96511793	1.0657654	1,1178143	0.718768	0.792023	9501004	0.7819844	0.88059308	0.854054
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Direct OCT 488	0.84065804	l geonoga	4 1638954	1 0348994	1.10022061	1,1047134	1.0354748	1.0430973	1.0322655	1.0254029	1.0594311	0.97380015	1,2192364
Phase-1 RCT-88	1.0946724	1.4547548	1,26784	+-	0.93897045	0.80873495	1.0067487	0.9533916	0.9709692	1.0028412	0.9076648	1,0592301	1.0496889
Beta-alarrine synthase	1.6643997	2,1203961	1.9604373	-	0.46308443	1.0008141	-	1.0149322	1,1167145	1.5072222	1.2938279	-	1.3857671
Phase-1 RCT-296	1,2385194	1,604609	0.87612647	0.9452577	0.8324739	0.9901228	0.8198391	0.61804134	1.027992	0.9221876	1.3798724	-	0.72016484
Carbonic anhydrase III	0.44392034	1.6906607	0.7984101	0.5934242	1,3014743 0,52857846	0.52857846	1.4373379	0.76540256	0.8170907	0.8959975	0.7321462	_	0.54282427
Phase-1 RCT-291	0.9854612	0.8459615	0.99152267	0.9698417	0.9240737 (0.87413204	0.9027695	0.97736305	0.9508338	1.0276227	1,1437378 0.92984176	0.92984176	1,0724095
Carbonic anhydrace III cemence 2	1 2766609		13459808		0.95525336	0.5781079	0.98534435	0.8353586	0.8344783	0.9285978	0.8440249	0.7889363	0.82623005
Dhace-1 RCT-271	0.85976017	-	0.52788558		0.84776926		0.99519366	1.2707809	0.9527961	1.0058054	0.8527886	0.9218332	0.85345197
HMG-CoA synthase, mitochondrial	0.82812923	+~~	-	0.88214016	1.0350075	1.1001743	0.80759054	0.72492045	0.9678924	1.2176248	0.9097092	0.6885659	0.9385505
Dhaca-1 PCT-180	0.9481671	1 1903716	-	0.99551433	1.0355072	0.9996302	1,1124154	1.0427809	1.0262027	1.0594009	1.091627	1.0108492	1.1283184
Dhee 1 PCT 40	1 1579304	1 4880637	+	0.9542328	0.9344972	0.9656231	1,1433935	0.9270871	0.8836049	0.8517248	0.9169716	0.79421455	0.77622837
Hanny amplies 2 persons	1 5637000	4 7302540	4 2417659	4	0 927 1659	0.9895025	0.9825305	1,1011666	0.7399393	0.7790721	0.8056236	0.8708082	0.8521345
Offices y protein a prediction	4 0050034	4 0084048	-	4-	0 8265013	0.7698115	0 8397236	0.7640968	0.8197056	0.8579436	0.9522977	٠	0.6394304
Ferdoxoliase	2 4444000	1,000,000		4-	0 7835433	-	0.95831585	0.7285947	0.8804703	1.0102272	1.0955236	_	0.98397665
LIVER GAIN ACTO WHITING PROCESS	2 9 7 8 9 7 E D	-16	al u	19	0 04140333	-	0.87787896	+-	0.86035265	+-	_	0.51195586	0.50199383
Presentation	4 0000420				0.0887327	-	0 96490175	+	1 0951434	+-	-		1.1878568
Phase-1 KCI-38	1.0200139	0.00000223	_	0.82703200	4 4074679	-	_	A 87008738	O GTARARA	0.8052242		0.89437	0 9385773
Phase-1 RCI-2/0	6505058.U	1.0339402	1.1301110	1.0113003		0.0034030	-	2002000		0.03773646	0 7780208	+=	0 7406072R
Transtriyretin	1.1192013	1.46/1601		_	٠.	+	0.0000000	0.000000	+-	O DEETET	1 02/00/4		O SBESTOR
Hepatic lipase	0.98106456	0.7321705	-	~+		٠,	0.862/411	0.6987075	0.63273103	0.9633/3/	1.0340341		0.000000
Cytochrome P450 11A1	1.0240899	1.0988199	0.78875166	1.0009098		0.96632335	1.0724602	1.0402163	0.94902724	0.692/309	0.7212450	-	0.93230400
Phase-1 RCT-175	1.274576	1.2024239	1.1821649	1.0251148	1.0450282	0.9245302	1.1269246	0.8564878	0.8564685	1.0317281	0.9147559	1.1035634	0.94485/3
Phase-1 RCT-117	1,3269714	1,7546465	1.5499606	0.84278566	0.56371504	0.9726462	1.031061	1.0301884	1.1392814	1.3749171	1.1821969	1.4298959	1.3554323
Phase-1 RCT-137	1 280027	٠.	-	0.9468865	1.0144308	0.9430574	1.0317522	1.048511	0.85510796	0.9225142	0.9980855	0.8552747	0.7058342
Melanoma-associated antigen ME491	0.98378384	0.9488621	1.0727094	1.1214078	1.0240333	1.1955447	0.9312111	1.12439	0.8415554	0.8830532	0.7345863	0.8408212	0.85916815
Phase-1 RCT-12	1.0464675	0.98147506	0.8225593 0.94483495	0.94483495	╄	0.99801093	0.98594993	0.7494673	1.0615547	1.091711	1.209812	1.1394444	1.1987983
Obseq. 1 BCT. 152	4 1898364	0.9580758	0.9925807	-	92	0.906831	1,0134318	1.0687509	0.8248254	0.8833249	0.92614704	0.8266792	0.7467286
14-9-9 zeta	0.85842836	1.1781572	1.1074169	-	-	0.97598594	0.98180586	0.8350881	1.0155889	1.05171	1.0732108	0.9775018	0.9843224
Cytoching P450 2023	1.5144022	1.477187	_	1.0642791	8	0.9905517	1.0080024	0.9269697	0.7691934	0.93078285	1.2082099	0.81701195	0.8609785
Voltage dependent anion channel 2 (Vdac2)	1.3086264	1.06439	1.0559859	0.84019744	-	0.97696886	1.0745223	0.9050343	0.99738478	0.96807945	1,0265961	0.9429637	0.9631099
(Tarres) & Daniella Incilia Manuadan Afanoa													
Phase-1 RCT-154	0.74023285	1.0496657	0.9854668	0.99318796	1.0617615	0.9735935	1.1061276	1.2570789	0.9419498		0.90939176	1.0408293	0.9349719
Superoxide dismutase Mn	1.2993141	1.2324454	1.3669215	0.9540775	1.0481809		1.097389	1.039545	1.0340834	0.9925498	1.0761425	1.1318398	1.055182
c-mvc	0.93519217	0.98849946	0.9532215	1.1028724	1.1575606	耍	0.85239303	1.0101562	1.1288445	_	1.0381058	1.1311163	1.0549672
Phase-1 RCT-196	0.6606507	1.1317798	0.96608293	0.9712234	1.1018085	1.0372076	1.0598614	1.1140608	0.97963685		0.95397437	1.0856752	0.9236479
Cyclin G	1.0897766	0.98009014	0.97938985	1.0954934	1.1774526	1.2735089	1.0770138	1,1380818	_	1.0550238	1.184819	1.1178337	1.1438332
Caldranulin B5	0.8426841	0.96069384	1,0095869	1.0070475	1.1641338		1.0993432	1.1802288	ᇒ	0.93876513	0.986288	1.1352257	1.0376165
p53	0.92214274	0.9652913	0.8431112	_	0.88633925	1.086822	0.96915054	1.0261878		_	1.0373182	0.9435335	0.78837794
Phase-1 RCT-205	0.8820342	0.86365116	0.9108519	1.1215739	1.1375027	_	0.93839624	1,1389754	al	-	0.94668704	1.0491421	1.0418348
Phase-1 RCT-68	1,2087077	1.0305592	1.279018	0.9820305	1.0912864		1.1762831	0.98660207	0.94020367	0.9509398	0.85525503	_	0.9795846
Caspase 3	0.8808707		0.85809505		0.9941796	_	1.0328895	1.21912	1.0577402	1.0284008	1.0205/85	-	1.1938387
Alpha-tubulin	0.9573715	0.75471425	0.70944154		0.92886084	0.9984175	0.96742713	1.7517807	1.3497024	1.2024685	1.3015872		0.82056394
Ribosomal protein L13A	1.4137654	1.421048	1.328438	0.81044424	0.85232	1.02045	0.8093405	0.9349457		-	1.122157	-	0.91511923
igE binding protein	1.0710549	1.0583584	0.92322487	1.140696	1.0545754	1.1020317	1.1198962	1.2479137		-	0.88913006	1.0033376	1.05024/5
Phase-1 RCT-39	0.90697706	0.7637644	0.8367725	0.9581429	0.8392383	0.9626771	0.9242961	1.2017114	0.98324895	1.0545/8	1.0431495	1.2024902	1.1031132
Cofflin	1.0752945	1.2717332	1.0648916	1.0198925	0.9815837	1.0454087	1.1049377	1.005104	0.9304633	0.8051431	4 04004254	_	0.911143
Heme oxygenase	1.050937	0.8838499	1.3869224	1,1569924	1.0005303	0.8620600	1 1000 TO	4 4237007	4 0777470	4 0094994	4 4070044	-	0 97400516
Phase-1 RCT-241	0.72686213	0.8484215	0.9124418	1.192604	1.1218424	1.0909805	1.10/606/	1.123/99/	2017/1/20	1.0031321	0 81703845	_	0.87600263
Ribosomal protein S9	1.2827181	1.1281371	1.0102/83	_	0.97357780	1.014014	1,000000	4 0000001	4 0200604	4 0380138	4 0442348	-	0.0203000
Prase-1 RCI-258	4 406425	4 9902234	1.6885091	0.9219119	0.34411023	0 06489877	1 0250908	0.8651185	1 0578202	0.98289883	1.2870694	0.94839996	1.1676921
Disco 4 DCT 480	0 03808805	0.06756774	10151885	0.97361034	1 2165886	1.2033175	0.9684245	1.1311677	0.9897975	1,0565788	1.1423079	0.7937529	1.0471691
Middle meletant amtala.	1 0356428	1 1278178	1 369567	0.86007285	0.9240845	0.9724335	1.0016265	0.8867703	1.1837654	1,2468741	0.999822	-	0.80882147
Continuo decentrodese	4 1253377	1 18706	. 6	0 76385754	0.9981266	0.9651812	1.1404023	1.0987549	1.2847718	1,1232225	1.0789171	1.0144377	1,1198183
Themselv heta 10	1 2976882	1 1868483	1 2924932	1.0991974	1.1427506	0.90840894	0.9365493	1.0656102	1.0439136	1.0469486	1.0450234	0.8021376	0.78985955
Prase-1 RCT-72	0.92328425	0,7272395	0.7384659	1.0268527	0.80544996	1.0779855	0.98763573	1.4557978	1.0566113	0.97420007	1.0043231	1.2023968	1.199637
Phase-1 RCT-109	1.2235347	1.1790587	1.176983	0.84171	0.8985793	1.0083104	0.89183736	0.85916114	0.93143034	0.9269586	1.0021944	0.9627958	0.98391587
Phase-1 RCT-76	0.88437176	0.9556274	0.9256248	0.7472213	0.7503434	0.8324594	0.8097292	0.81157285	0.9413013	1.0219846	1,0421362	0.79573758	0.8923478
Vacuole membrane protein 1	0.9210368	1.172733	0.9337484	0.95394874	1.0197811	0.90608776	1.0736228	1.1827416	0.7521176	0.9107857	0.73069376	0.9080166	0,7144368
													}

			2120020	11202011	0007000	4 03070E	1 (872382)	0.9579051	1 0186083	1.0162088 0.94729143	0.94729143	1.0809782	1.0336937
Phase-1 RCT-158	0.66195923	0.9700297	ł	12/0//1	0.004392	4 000 475		0.0525875	0 9275319	1 0092258	0.9346065	0.8316955	0.8229574
Phase-1 RCT-113	0.80044	0.80044 0.92196745	- 1	1.0460693	9197490		0 00321085 0 85298073	0.85298073	0.9866827	1.1340623	1.0196021	0.8513667	1.0279377
Endogenous retroviral sequence, 5 and 3'	0.6782672	1.2246965	1.05/629.	50000/0°L	0.3674013		0.0000						
יוא	4 9449544	0.0522454	4 030102	0 8045793	O ROAS793 O 9830R304 0 83742505	0.83742505	0.9729326	0.9561148	0.8947739	1.0470562	1.0591486	0.6745468 0.74550587	0.74550587
Beta-actin	1.621.12.1	0.0000000	4 044804	1 0450674	0 0322175	1 1789769	1,1039528	1.0191324	1,2497288	1.1730624	1.1810716	1.140557	1.3204659
Phase-1 RCT-65	0.9787127	0.9/8/12/ 0.835629//	ľ	1 4077504	1 06777904	1 1055820	1 0599222	1 1407367	1,5316396	1.5088453	1.278869	1,2656928	1.3743786
MHC class I antigen RT1.A1(f) alpha-chain	1.384/288	1,409105		0.0225204 0.06037847	1 12101BB	1 1170973	1.0068831	0.7727151	1,3098528	1.181285	1,2065555	1.0946876	1.2154232
Bax (alpha)	7000001	0.0405400	*57CC*60	4 432738	1 1045502	1 1249284	1 1036372	0.8331498	1,1370302	1.0101993	1.0561584		0.89553744
Carbony reductase	0.82164603	1.82164603 U.94950553		0.94001007	0 9871708 0 94595583	0 94595583	1.022719	1.1220148	1.0069226	1.0326213	1.049897	1.049897 0.83140105	0.9974334
Beta-actin, sequence 2	1.1003/40	0.07047047		0 00/0119	1 0059454	1 036691	0.8998076	0.7933881	1.151432	1.1544472	1.0911233	1.0911233 0.98778737	0.97278774
Interleukin-10	0.6/634463	0.6/63463 0.8084313/	١-	1 119819	1 2205441	1 1571751	1.0781744	1.0791872	1.0791872 1.0272368	0.9955303 0.99309844	0.99309844	1.0519683	1.1723387
Phase-1 KCI-191	0.04504597	0.91000014	0.81 (0.60 45.00 0.91 0.91 0.91 0.91 0.91	0 7808872		0.91603138	0.8306917	0.7215341	0.7215341 0.91962326	1.0331296	1,0893724	0.8341245	0.93308353
Phase-1 RC1-111	0.84304337	4 4004606	4 0947705	0.000012		0.9531676	1 1025378		1,1037625 0,72551674	0.7790815	0.738749	0.951435	0.6973325
Apoptosis-regulating basic protein	1,00001	4 274244		0 8015086	0.8915086 0.83061403	0.8664461	0.8297714	0.6780573	1.11503	1.1948129	1,5335505	1.0772269	0.9913603
Glutathione peroxidase	1.4409/10	003070600		1 003111	1 1812922	1 2366444	1 2366444 0.87299913 0.95738107	0.95738107	1.0151432	1.1614729	0.9522174	0.9522174 0.98011166	12601181
Phase-1 RCI-239	0.031320	0.557 2.550		1 1761992	1 1780342	1.0562395	1.0678416	1.1805832	0.9615478	0.9207137	0.9185731	1,113898	1.1029582
Phase-1 KCI-6/	4 0504004	4 0504004 0 04576947	.Ь	0 0807621	0 9244295	0.9045114	0.994663	0.9528621	0.9528621 0.93159044 1.0755028	1.0755028	1.2148254	1.0016134	1.094271
Tryptophan hydroxytase	1.0551231	4 540 4 455	_		17	0 9917772	1.0608377	0.6342107	0.8449709 0.90485597	0.90485597	0.9577213	1,2163014	0.6651891
Sufformsferase K2	1.104.1538			4 4000070	0001000	0.0534038	1 002457	1.011478		1.0210114	1.031204	1.0287206	1.0751382
Calgranulin B9	0.9003511	0.6304120	1.0/0000	4 4520600		1 1419148	1 2894577	1.104733	1.0001745	1,0001745 0,98828574 0,95436114	0.95436114	1.108561	1.1538095
Phase-1 RCT-123	0.9840272	0.98402/2 0.95242256	0.88343/30	ı	0.0705360	1 0306908	0 9523318	١٣	1.0625381	0.9882147	1.0491876	1.054389	1.1272856
Phase-1 RCT-98	1.0082706	1.0082706 0.93524003	0.907203	4 4000076		4 0375359	1 0879399	1			0,9808422 0.94482875	1,0854695	1.0948906
Aquaportn-3 (AQP3)	0.9786586	0.84946144	0.9786588 0.84946144 0.89538354	1.1003070		4 4507054	0 0480190	1 2807087			1,0535356	0.37955573	0.30454692
Stearyf-CoA desaturase, liver	0.82795036	0.17317982		- [-1	1,430/004	4 4049909	1	0.0004106 0.05128685	1 0082098	1 0731648	0.981597	1.0562081
Phase-1 RCT-64	1.1463044	0.7713191	0.79589236	1.1597813	1.0597418	1.15/1324	1.1043000		0.83120000	200			
(1) Gene expression data for 24 hour											•		_
timepoint are presented as mean ratio of													_
treatment/control for all 24 hour predictive													
genes (Table 5).													
(2) Compound and dose abbreviations as in													
Table 1.													
(3) Individual animal number													
(4) Liver inflammation classification for													•
compound-dose group at 72 h: yes-necr,													
necrosis observed; yes-both, necrosis with						-							
infizitification observed; no, no insuparticus;													
(5) Predictive gene (as in Table 5 and as													
Included in Table 26)													

Table 29. Expression Data for 24 Hour Timepolit (1)													
	7	T	T	T	T	Τ	Τ	1,	400	500	ECT 0.4	Ī	CT.O.
6								_	22	254	10.1	10.1	44.06
-+	1956	2224	2225	2228	2234	CC27	S N	44	2			2	
Liver Toxicity Inflammation Classification (4)	2	2	٤	2	2	E	2	2	2	2	5	2	2
Gene Name (5)													
Gamma-actin, cytoplasmic	0.81668353	1.1659275	1.0083909	1,0866492	1.3458477	1.184166	1.0273638	1.4728116	1.2995538	1.0561625	0.8396725	1.2726216	0.9196373
Phase-1 RCT-145	0.9861513	0.9818517		0.98596174		0.9676733 0.96466607	0.96466607	1.1258441	1.3158165		0.99895763	0.8101653	0.82087
Gadd45	0.822902	0.81709075	0.9309314	0.9052916		0.83840483 0.74519116	0.74519116	0.8678016	12//2439		0.385524/4 0.9/304916	4 000 434 4	4 4272446
Phase-1 RCT-78	1.0377523	1.0118381	0.9616363	1.035498		0.93332005	0.9411967	0.82549554	0.9239322	0.7613929		1.0304314	1.13/3140
Fas antigen	0.9702953	1.117694	1.0470116	1.085591	1.1050112	1,1259136	1.1101309	1.50/4538	0.0723648	77803C0 U	0.00451324	1.0709100	1.09/4002
Macrophage inflammatory protein-2 alpha	1.0896603	0.85289965	0.882/4/3	1.03/1416	4 22 22 4 40	1.0000030	1.1011402	1 8486844	1 6701841	4 7024254		0.00004	1 2238392
Irregrin Deta1	1.0344383	1.1046802	1.1730843	1.3319010	1.026201	1,2143011	9230170	4 0448458	4 0363657	4 225584B	1 2255818 0 84307384	0 7455412	0 6722334
1-11ase-1 KCI-20/	1.19585/3	1.0361837	1.1360408	0.084090	0.000000	0.02588006	10110058	1 020501	1 0485005	1 0747389	1 2853063	1 461474	1 5003353
Corola eleka	4 1086328	1 0475682	1 0524218	1 033988	1 0028352	0.63300330	0 97294977	0.9515057	0.85014854	1 0021313		0.6382996	0.7873335
Malia arrama	1 105124B	0.8145843	0 941236	0 R2794R54	0 99296904	0 6381218	0.874493	0.7752546	0.9688234	0,6501999	0	0.650885	0.5165728
Phase 1 RCT-30	1 1005905	0.8970306	1.0381746	0.9903225	0.984823	0.8835005	1,0762517		0.74252578	0.8520089		0.63904643	0.6611339
Henatocyte growth factor receptor	1.2838748	1.027575	1.063001	1.1011021	1.0715958	1.0460532	0.9834322	1.2400773	1.0362331	1.3222686		•	0.83622074
MAP kinase kinase	0.79093766	0.9998791	0.97506094	1.0751804	٠-	0.96799034	0.9256604	0.9680806	1.1647916	0.98721045	1.0518181	1,0621337	1.009124
Sodium/glucose cotransporter 1	0.7619419	1.0606772	0.8826619	1.1587933	1.2025312	1,2074665	12528331	0,8681726	1.1123862		1,2090348	1,4381496	1.61234
Phase-1 RCT-27	1.8353896	0.5274138	1.0980055	0.5684441		1.04085	1.1780117	0.4321448	1.0367874	0.8878195	1.7938923	0.67838466	0.8673863
Phase-1 RCT-50	1.1080062	0.9425652	0.9900424	1.0237949	1.0255345	0.83158004	0.9610024	0.8530907	1.0160044	0.7938151	<u> </u>	0.6195437	0.85348797
Phase-1 RCT-192	1.0867399	0.9880838	0.9880838 0.99737316	0.9433329	0.923407	1.3487914	1.0871835	1.7667748	1.3559887	1,3810961		1.2848046	1.1900749
Phase-1 RCT-288	0.8286943	1.175627	1.0710568	1.114428	1.1401707	1.099057	1.068113	0.7829393	0.7517834	-1	_1	1.289207	1.2300128
Phase-1 RCT-37	0.9676918	1.0680957	1.0543805	1.0298688		1.2211272	1.1047446	1.2469475	1.2070819		0.9148717	1.0593352	0.9888588
Organic cation transporter 3	0.85970926	1.0306678	1.0306678 0.99726695	1.037939	_L	1.2607527	1.1350403	1,360597	1.3816513			1.0923614	1.03/2398
60S ribosomai protein L6	0.8010806	1.0183214	1.0150082	1.0313096		1.30/62	1.136336	4 4 26 70 4	1.01/02/0	0 0006018	0.813/1/03	1 2370325	0.8655538
Zinc tinger protein	1.077/481	0.937.25206	4 447047	1 0696834	4 0453504		4 0814646	0 99245818	1	ш		١٩	0.82474478
Cargarumoz	0.8000873	0.94340310	0 9835815	10	1	1 3820673	1 0471776	1 0471776 0 96335508		0.9264293	1_		-
Phase-1 RCT-02	0.94373447	0.9174059	0.9532075		ᅩ	_	0.90466255	0.5417528	0.5924412	0.587715	_	1.0727197	1.1371187
Phase-1 RCT-115	1.0996616	0.99867445	1.0963545		1,103691	0.95444834	1.0586698	1.492439	1.492439 0.71938694	1.3384038	0.85604423	0.66256255	0.71300817
Matrin F/G	1.2635303	1.4045409	1.1655637	1,4520997	1,3897663	1.318737	1.3312683	1.2212411	1.0614078	1,365672	1.1184754	1.2997053	1.1500682
Mutt homologue (MLH1)	1.0673726	0.9772407	0.93833864	0.9722027		-	0.99492306	1.0751213		1.1568117	_	0.93588394	0.9087936
Phase-1 RCT-79	0.9407209	0.99142164	1.0724362	٦	1.0603216	0.88801813	0.9879941	0.98758954	_1	1.0135951		0.7550646	0.7181298
Sorbitol dehydrogenase	1.0185959	1.0466129	0.990248	Ц.		1.1340083	1,1159135	1.1517	1.3907027	1.0180518	4 4625B6B	4 940083	1.1056223
Phase-1 KC I-24	1.3532803	1.1227002	1.212073	4.048350	0.0368400	A00000	1 115508	4 6576843	1 2182665	1 604499		0.8183858	0 9751354
Elementics featured alaba	0 78193786	1 002233	0 97460043	Ľ	L	1 2954711	1 0704509	0.9965161	1.1032604	0	-	1.5463958	1.2081832
1 - culono-camma-lactore oxidase	13205411	1.0461835		0	10	0.6261718	0.9359677	0.6416021	0.5949166		_	1.0640885	1.4301397
Phase-1 RCT-33	0.610948	0.96323687	1	_		-	0.92221445	0.7369658	0.55696934	0.9384492	Ц	1.3452349	1.2158774
c-lun	1,2417426	0.9742847	1,0484569		1.6226351	1.0218707	1,0708773	1.046685	0.7730988		[0.7876346	0.92822963
Phase-1 RCT-233	0.9869171	0.84679645	1.0049379	0.8330657	1.121313	0.8777401	0.8043644	0.51659334 0.53044285	0,53044285			9	1.0239288
Phase-1 RCT-36	0.8600779	0.9551979	1.0035325		9	1.0515262	0.9250851	0.88849956		1.0073639	_1		0.9779161
Phase-1 RCT-242	1,0035763	1,0096862	_	_		0.92551136	0.9117706	0.9335592	7	1.0268097	0.9390978	٧.	0.79180783
Phase-1 RCT-181	1.2258081	1.0903194	_	_	0.8813189	1.3537472		0.78116643	0.8986276	0.8017877	1.0274212	4 4205440	0.9/331405
Phase-1 RCT-185	0.8708094	0.89331794	┸	_	0.9215216	0.87578507		0.0718000	1 4000004	0.09933977	0.000000		1 0751005
Phase-1 RCI-179	0.8324/000	0.84/15583		ı	1		0.8302030	1.114410	4 240528		Ľ	15	0 8752918
Frase-1 KCI-144	0.9032011	1,056249	1.0334333	0.0477488	1.0230340	1 22032/0	1 1220281	1 3058561	1.202483				1.3659623
Dhara 1 DCT-226	1 4602731	0.80413955	1.	1 2647189	4.	0.5775507	1 1927702	0.9649061	0.8765585	L	┸	┺	0.86499655
60S ribosomal protein L6 (alternate clone 1)	0.81702286	1.0799739	1	<u> </u>	1_		1.1701252	1.4209286	1.587876	1.3318864	1.0230248	1.2447221	0.9935773
Bota titudin class I	1 3948457	1 0409039	1 1434577	0.93846446	1.2530004	1 5082289	1.1140807	1.7557983	1.5832543	1.4513657	1_	1,2296692	0.8636096
Middle wasistant amining	0 9808779	0 9169236			ㅗ	١.		0.85656285	L.	I.,		_	0.92567056
Manual transfer in				1						,	1		

Phase-1 RCT-49	0.9343741	0.99536085	1.0347002	1.0472064	1.0431451	1.061108	0.9448738	1.1274874	1.1517112	1.1947464	0.9544208	_	0.80899125
Catgranulin B3	0.6852346	1.0903741	1.0118438	1.0594568	_	1.1103754	1.0416651	1.2849755	1.3503848	1.2912887	0.9192316	0.8470503	0.8945488
NADP-dependent isocitrate dehydrogenase,	0.7823668	0.9417071	0.84153754	0.88674474	0.8771895	0.9477158	0.9172877	1.035638	1.1186335	1.042831	1.103822	1.2804332	1.087262
cytosolic	4 4420042	0 0504064	4 DDC4744	74384815	0 8007783	0 0444327	0 07707006	1 091721	0 91918174	1 1424946	1.1303307	1.0054166	1.0136973
Coamer untiling protein i	0.000042	4.063670	_	1 1881696	0.0514158	_	1 0005252	_	0.5625144	0.5683583	1.0010197	1.6986712	1,4382459
Sociumivalie acta curanspanter	0 9246252	0 93963504	_	0.97676945	1.1017617	1.1406239	-	0.74340034	1.0836629	0.7457223	1.136046	1.1524487	1.0907546
Physe-1 RCT-77	0.81225145	0.95776606	_	0.9763299	1.1242697	1,2263923	_	_	0.8930953	0.6553962	1.276918	1.3716483	1.1638613
Inositol polyphosphate multikinase (Ipmk)4	0.9441998	1.0348049	0.89276415	0.99313325	1.4025486	0.6813159	0.8502617	0.4417711	0.43084842	0.59972	1.1821638	1.6015104	1.7085139
Phase-1 RCT-256	1.2161734	1,0931038	1.1704457	0.96426374	0.95589983	0.9261541	1.1567645	_	0.75498474		1.1051437	1.430769	1.3862747
Equilbrative nitroberzylthiolnosine-sensitive	0.88391685	1.0333087	1.048104	1.0332998	0.8911779	0.73441984	1.1271809	0.7316783	0.8594266	0.80972236	0.88240016	0.9937122	1.0826118
nucleostde transporter	1 1470023	4 0724477	0 00004513	0 99018884	0.9957526	0 9885655	1 021909	0.97054297	0.93396246	1.0108408	1,1382835	1.2346054	12057686
Phase-1 RCT-209	1 1536176	1.0565681	0.98291147	1.0199039	0.9310286	0.9901211	_		0.943338	0.89924943	-	-	0.97710496
NADH-cytochrome b5 reductase	1.0108911	-	0.81822526	_	0.76366657	┡	0.87316227	0.6728621	0.71779734	0.7515808	1.4087878	1.1770525	1.2147553
Dynamin-1 (D100)	1.0598326		1.0967411	1.0111337	1.0323993	1.0199403	1.034197	0.7403345		0.90224814	1.1063477	1.1622748	1.1727291
Senescence marker protein-30	1,1247984	0.89577544	0.7546618	0.95135415	ш	0.77778897		1.1806706	1,3999538	1,308219	1.2435108	1,7119398	1.8992468
Phase-1 RCT-89	1.1418126	0.8730109	1.0145686	0.9636989	_			0.84763914	0.729455		1.2136217	_	1.4303848
Camitine palmitoyl-CoA transferase	0.9778433	1.0278171				_	0.90330803		1.0831331		0.99093115		0.74948734
Apha-2-microglobulin	0.9596789	1.1619008	0.92709804	_		0.14514181			0.42628132	_	1,2198275	1.4390337	1.6096183
Apolipoprotein CIII	0.7847065	1.0563716	-1	1.1154201	1.01234	0.8177691		-	0.81018484	_		4 2400400	1.3011003
Cathepsin L, sequence 2	0.99603754	1.0514872	0.9972921	1.1091624	1.0340506	1.7347724	1.2783449	0.843b/17	1.5/65139	0.0909230	0.0000000	1.2403430	0 8042602
Phase-1 RCT-141	0.8722004	1.1509092	1.0478556		1.1560485	2,3014224	1.13/2//6	1.13/2//6 4./39509 5.1592/34		4.0884223	4 9333317	1 230,4083	1 21 ZAA2R
Phase-1 RCT-289	1.1866268	1.0324699	1.0728956	-	0.98521316	1.0134152	1.0429/23	0.04838486		0.70100003	0.0042808	0.7500794	0 8209772
Endothelin-1	1.1555383	0.963924		-	0.81365895	-	0.9897185	1.0333135	1.200/803	4 2424466		-	0.0233774
Phase-1 RCT-282	0.9733658	0.9719218		0.99080684	1.017501	0.9753299	0.93904666	1.2423780		0 03438797		4	0 90481
Phase-1 RCT-140	0.9581465	0.8567/45		4 4090070		4 0040803	0.012/023	0.045R603 0.35551250 1.0255125 0.045R603 0.748738R5 0.68744457		0.76894206		1.1360551	1 5293848
Cydin D1	0.50124726	4 4 4 3 4 4 0 0	1.0319309	-	0 99322409	0 9008266	0 9591991	0.90521175		1 0719463	1.0024188	1.2931416	1.2098676
Pidse-1 RC1-207	0.85754496	0.0583422	_	-		0.944935861		1.1442095	1.0101048	1.0179051	1,3902214	1.4662273	1.1698915
Retinol-hinding graph (RBP)	0.7188332	0.8732487	_	0.81735	0.9830734	0.91125536	_	-	0.80930895	0.5489981	1,135909	1.5112368	1.7710917
ATP-stimulated glucocortlcold-receptor	1,2187892	0.9355674	0.9907191	0.9155144	0.9875775		1,2512126	1.3437233	1.5150018	1,4095875	0.82778525	1.0043539	1.3212838
transfocation promoter (Gyk)				0,20,000	000000	000000	0000000	4 0770446	4 4007007	0.0338742	1 0055633	O 0827574K	0.0809145
Phase-1 RCT-60	0.9681628	0.98628783	ı	0.9610542	1.0830039	1.0689122	0.9490292	C840/10.F	1,109/02/	4 000000		0.902/3/13	0.8053143
Pyruvate kinase, muscle	1.445187	1.0758014	1.1421782	0.9761035	1.0051362	Vereser.	1.1012504	0.6950603		0700000	0.04/41/	0.50374673	0.000000
PAR interacting protein	0.91525245	0.9957943	0.9863088		1.0077685	0.9724114	0.9527708	1.04938	1	0.9030340	4 22 22 24	4 4404772	4 2420048
Nucleoside diphosphate kinase beta isoform	0.90629834	1.0158951	0.99783033	0.9448464	0.96050084	1.1630542	1.0625380	1.526.1	01.600/.1	Leguere.	8171777	C7 11 61 4:1	1.2120243
Gadd153	1.1022518	0.901045	0.9596821	0.98084676	0.97574216	1.0279391	0.9810714	1.2014396	2.4945552	1.0471916	0.76800066	0.7511739	0.828822
Insulin-like growth factor binding protein 1	0.7408934	1.0325334	Ш	1.1922686	1.2286586	1.3332133		1.0328858	1,0168333	0.9434177	0,9549041	_1	1.0955883
c-H-ras	1.0517048	1,0857929	1.0366333		0.95597684	1.3595871	_	0.82434204	1.1197183	1.0524377	0.92279524	-	0.84668785
N-hydroxy-2-acetylaminofluorene sulfotransferase (STIC1)	0.8782097	0.971423	1.0283146	1.0129206	0.85303795	0.6969199	1.1277404		0.79618734	0.67898786	0.8737929	1.2095144	1.18405/2
Phase-1 RCT-52	1.0074973	1.0132393	0.7427139	0.91573775	0.973811	1.4581005	0.92905873		0.60819887	0.5895132	1.1309578	1.1915534	1.1069556
Alpha 1 - Inhibitor III	0.773895	1.0791608	0.85472155	1.4150712	1,1821705	1.0094987	_		0.31341997	0.5830388	1.1347969	1.514807	1.1658953
Sterol carrier protein 2	0.7572592	1.0532804	0.997309	0.90754837	0.88157004	0.7552564	0.9789012	1.1987628	1.097277	_	1.1692623	1.2216798	1.0921094
Organic anion transporter 3	1.2891245	0.9076735	-	1.1660697	0.9028798	1.3421004	1.2997395	0.8302399			0.79484767	0.99775803	1.1712021
Calgranulin B4	1.0984518		9	0.7506299	0.85414	0.7565825		1.293367	0.90923584	_	0.897943	12869326	0.8001259
Phase-1 RCT-182	0.7872985	_	-4	1.0233893	0.9017974	0.9419976	_	0.48362476 0.78337425	0.78337425		1.27.29136	1 28/1230	1.1/3113
Calgrandin B8	1.0614511		4	1.1777785	1.1120715		1.0344044	0.5010461	0.0001839	0.37233703	1 0377369	4 3705768	1 2070501
Aldehyde dehydrogenase, microsomal	0.6360473		Ц.	\$60765U.T	1.1900222		4 0404577	0.8003/403	0.4040808		1 1151074	1 294693	1 2955294
Phase-1 RCI-128	0.9805222	-1_	l	0.878393	0.0762488	0.8647344	ı٠	0.0830823	0.41010000		1 1315098	0.8204509	1.0402229
Phase-1 RCI-102	1.9138232	0.91192/9	0.307000	0.04424034	0.9702430	0.5047376	0 8546395	0.38813176	0.53018464		1.2856696	1,5751755	1.6298151
Andinomitain Ali	1 1577264		١.,	1.0883654	0.7634002	1.177699	1.2922714	1.4181116	0.368478		0.902758	1.1046238	1.2600541
Dhase, 1 RCT-10	0.90960294	1 029465	0.89328235	0.96997833	0.9898174	1.0133904	0.97922117	0.7189327	0.81652427	0.7788687	1.0218067	1.4098161	1.3975399
Dhaca-1 RCT-48	1317018	1.1085884	+	1.0495578	1.0813711	0.7876428	0.9163891	0.8335745		0.83187526	1.0363315	1.1059678	1.0457726
Dheen-1 PCT-8	0.8083772	0 7956643	1	0.9816856	1.0177617		0.89763266	0.40431753	0.5704519	0.52874684	1.3043152	1,5335654	1.6565154
C 1000-1000-1			1										

				Ł		L	100000	incharge,	1 2202050	1 0547069	1 073896	1 255812	2044877
Phase-1 RCT-168	0.9874058	1.0990715	匆	_	0.93889236	ক্রাব	62343303	1.0/03/12/	0.609338	+-	0 90946335	1.0466486	0359122
Phase-1 RCT-88	0.9948443	0.85345215	1.0048211	0.7230023	0.774007	0.01/2012	4 3506879	0.04128007	0 8886022	_	0.9856528	1.0587227	1,5881406
Beta-alarine synthase	1.6064681	1.3307033	1.2/3631	_	0.0010000	430170	-	1=	ľg	0.38784458	1,1289173	1,4011158	1.2786795
Phase-1 RCT-296	0.96234703	0.9902157	0.7501596		0.71358/84	1.124430	+-	+-		0.4904737	-	0.93755704	2.3455582
Carbonic anhydrase III	0.8057871	0.9288065	0.7199903		0.000021404	200000000		0 72073215		0.74189234	1.0686002	1,1428862	1.0857734
Phase-1 RCT-291	1.0158128	1.065829	1.036503	0.60978044		9	100	0.32305166		0.39444232	ш		1.0473973
Carbonic anhydrase III, sequence 2	0.78814/45	0.6983503	1 0370044		1 0311526			0.70663273		0.83714986	0.8402952	믜	0.90268636
Phase-1 RCI-2/1	0.9413401	4 4245083	1 2067581	1 3846852	_	0.90559113	1.2239169	0.6637315	1.2029904	0.58468016	0.89293754	4	1.2455351
HMG-CoA syrthase, mitochondra	4 0231994	1 0282491	1 1416671	1,1295162		0.9674904	1,0065894	1.0133642	0.7740685	1,0181948	1.4367621		1.8467877
Prinse-1 RCI-103	0 90376556	0.93398064	0.8956168	1.1672821	-	0.91699888	0.9896914	0.721992	0.8253628	0.78453285	0.9525221	1.2491119 0	0.96354735
Herse antelo 2 mentor	0.7769733	0.9893217	0.95804485	7021	0.92808926	0.92360145	0.9580197	0.9986082	0.9313905	0.9503158	1.1742792	1.2853594	1,20,000
Ornary process 2 means on	0.6252485	0.93562317	0.82642287	0.8612702	0.92066836	0.9118621	0.9966507	0.3891244	0.4652269	0.4689013	1.0198081	1.5812870	7232807
Farackitise 1	0.940463	1.0134888	0.99712616	1.0103929	1.0122951	1.2906444	=	0.9850848	0.820356	0.83796378	1.0008434	1,5630232	1.19U5009
December 1	0.8095044	1,2123023	0.95947254	1.5280684	1.2917436	1.1056478	1.0234121	0.34917444	0.29787496	0.5492607	1.168/305	1.07.0009	1 2742497
Phase 1 RCT-38	1.2816015	1.1007507	1.1669194	0.9802678	1.0179424	1.0145471	1.2306331	1.3055242	0.7416244	1.305971	1.1632303	1,5152137	1 3605/18
Dhasa t RCT-270	1.0888602	1.0313213	0.90825266	1,1331205	-	0.7135239		0.9421668	1.070733	1.093/221	1.1021332	1.50003903	1 7/04/202
Transflyretin	0.76362497	0.8977307	0.8361629	0.9019695	_	0.60490704	 .	0.42981857	0.40094662	0.65699900	1 2256060	4 7450329	1 0518198
Hepatic Ilpase	0.61829114	0.90554285	0.97100395	0.84920377		0.75460947	_	0.6323/555	0.3936/382	4 3018435	1 00118	1 2099363	1 3044502
Cytochrome P450 11A1	1.115377	1.0293291	0.93383586	1,1504515	0.99302894	1,2648605	1.047429	1.1132367	0.73731173	0 00068135	1 0713848	1 1339331	1,185835
Phase-1 RCT-175	1.1103114	1,1098975	0.95027804	1.0707767	0.9578135	1.043723	1.0/5502	0.6315300	0.02020114	4 0000004	8078700	0 975172	1456134
Phase-1 RCT-117	1.4340345	1.2542573	1.2450678	0.9188008	0.5740656	1.3832319	1.3353597	1.020052	0.00032024	0.0004848	1 2080542	1 6480101	1.450947
Phase-1 RCT-137	0.853945	0.99971414	1.0079024	0.936773	0.98013645	0.9891708	0.94564514	1,046999	1 5208048	1 459777	8086876 0	0.9057967	1.4374298
Melanoma-associated antigen ME491	0.86847866	0.9450409	0.90301114	1.026077	0.9494096	1.1832627	1.320/402	1.8088360	1 0893043	1 2443941	0.9762024	0.9664395	0.83766896
Phase-1 RCT-12	1.2095588	0.9499573	0.9257831	0.9377951	1.0229154	1.104016	1 4 4 8 2 3 7 8 2	1 8289889	1 3017555	1 399048	0.93696547	1.1220673	0.9982054
Phase-1 RCT-152	0.77847064	0.9982155	1.1383021	1.0854201	1.0939046	1.4144102	1.1033102	4 2726343	1 2150381	1 4813891	0.66831493	0.7597263	78706574
14-3-3 zeta	1.0846046	1.0217621	0.95478284	1.0897404	1.0553625	1.0023656	10000000	0 2208207	0.44542706	0 39499563	1 532878	1.5868357	1,1759329
Cytochrome P450 2C23	0.8857345	1.0592668	0.8739144	0.967928	0.9885011	1.000/910	4 1050054	1 3598783	1 2013805	1.2818247	0.9351424	1.128038	1,0507914
Voltage-dependent anion channel 2 (Vdac2)	1.0642984	1.1340121	1.0690382	נישרו.ו	1.1001400	1.10501.1							
	1 0264287	4 047096	1 0404276	0.9925371	1.0093783	1.045577	1.00623	1.4086311	1,2853568	1.3672818	-	0.85049486	0.8730463
Phase-1 KC1-134	1,0204201	1 0530064	1 0815418	1 09284	1.1650927	1.3349029	1.091882	2,3164685	2.6711466	2.7240853	-	1.1902138	1.1333333
Superoxide distrutese Min	0.02383375	1 0265819	1.0435165	0.94813128	1,1485606	0.98677814	0.96624327	1.0447882	1.4613562	0.9881479	-	0.77054375	0.7202084
C-m/c	4 4400323	0 9503963	0.881665	0.90996665	0.9258793	0.752358	1.0116875	0.96478665	1.0208223	0.90740097	1.0938792	1.2392317	1.1698636
Phase-1 RCI+180	1 1285464	0.985998	1.0409845	1.0224708	1.0816298	1.0224284	0.9351869	1,3843862	1.5579362	1.4101044	0.8586254		100001
Colombidin Bs	1.020804	1.0184662	1.0833421	1.0571424	1.0268337	1.1449567	1.0227466	1,3204888	1,2331531	1,289895	-	-	1.98501/23
053	0.97080374		Ц	0.9704472	1.0204779	0.9648071	1.0112265	1.7164048	1.261226	1.11/0584	1 0608700	0.00073033	0 856757
Phase-1 RCT-205	0.9223324	0.97406006	0.9603548	0.906594	0.93257433	0.98853153	0.8851688	1.0622364	4	1,0319920		0.8207508	0.904252
Phase-1 RCT-88	1.1217321	0.9523327	0.9485471	0.96109957	1.0099264	0.8937842	0.8805682	1.3280482	1.0800837	1 0555503	0 7985691	0.6334997	0.7394322
Caspase 3	0,96516263	_	_	1.0958884	0.929473	1.1858555	1.1440/1/	218008 D	_	1 6189833	1.3117191	1,5902797	1.2033215
Alpha-tubulin	0.8813755		\exists	1.1216313	1.032/415	1,2043337	1,030,000	1 5707632	1	┸	1.1009448	1.334508	1.2544535
Ribosomal protein L13A	1.057748	0.986749	4	1.0530073	4 4055749	1.400/53	1 0527028	2 27 24486	┸	2.2805612	0.94903034	0.85149958	0.8929095
igE binding protein	1.03294	4	1.0633050	1.002000	4 0268345	0.04558656	0.9702258	1 2521025	<u>_</u>	1,2001494	0.9985314	0.81486446	0.985646
Phase-1 RCT-39	0.9783544	0.9436506	3	4 0647778	1 0247646	0.8435281	0.9882948	0.8375178	1,5935396	0.98054695	1.2344989	1,5091268	1,3984262
Cofilin	0.910443	1	4	0 79821795	1 1525307	0.99581945	0.7271075	2,5563145	2,7468493	2.0662985		0.7552453	0.8219338
Heme oxygenase	0.0340.1004	1	0 8839588	0.90899485	0.87601197	0.8727469	Г.	1.4915233	3.3077483	1.2738243	ö	0.80515224	0.78553076
Phase-1 KCI-241	0.84034300	4	15	0 9365688	0.96226573	1.3325914	-	0.9819822	1.8035484	1.1039951	1.0675004	1.224928	1.0721238
Ribosomal protein 59	4 0237027	┸		┸	0.9638249	1.0480026	1,0035751	1,2591363	1.425668	1.2713425	0.9988009	0.76959866	0.7648709
Prisso-1 RC 1-230	1 0434597	Ļ	-	╄-	1.2319297	1.195606	1,1187153	0.7539994	1.0056387	0.7622004	_	1.4511855	1.09/112
Phase-1 RCT-180	0.87509686	1,121403	1.0957489	0.9149304	0.8767978	0.95694476	_	1.2298504	1.4817644	1.1603363	1.161/4/5	1.1463201	1 1/84110
Mididan resistant protein-1	0.8465738	0.80356574	1.0856688	0.83262014	0.97534186	1.1417308	1.0683627	0.91852856	1.424878	0.81//180	`	0.71728504	0 721472
Omithing decarboxylase	1.3415717	0.98277897	7 0.97366524	1.095561	1.060935	1.0942605	1,0808917	_	1.4650202	4 7455405		1 305303	1 2093885
Thymosin beta-10	0.9146678	1.0686759	1.0376713	0.9657999	1.0929132	1,3850416	1.1612668	1.0200420	0 73463046	1 4214807	0.7828592	0.6231907	0.6832535
Phase-1 RCT-72	1.099171	0.998716	1.1000473	1.0170418	1.0813889	0.98372243	4 44058424	1,143300	1.3631604	1946111	1,1182466	1.319775	1.2635435
Phase-1 RCT-109	1.090198	1.0322	1.124366	1.0318047	1.1820330	1.30331.4	1. 14U3C+4	1 279912	0.9674980	1.208458	1,1229975	0.9647601	1,0901587
Phase-1 RCT-76	0.8990398	0.9732839	0.886//40	1.9588/333	1.0123/12	0.92003vv	0.9029329	0.832807	1.190974	0.6946489	1.3589588	0.9423752	1.4535501
Vacuole membrane protein t	0.77263208	3 0.93145/46	1 U.6/95U45	1,000001		0,000	0,00000						

										12083869 0 12001100 0 1201010 0	200044000		n 7822967
Dhaca 1 BCT.158	1,0069567	0.9980496	0.9980496 0.98507273	0.9558102	0.9558102 0.93113655 0.97255653		0.9882613	1.0711039	1.301131	1.3011131 0.833/124 0.03448830 0.3200001	0.03443330	1_	0.8629102
Dhaca-1 RCT-113	0.8186791	0,8186791 0.96035874	0.9035147	0.9654516	0.9891713	E	0.92830145	1,397983	211/619.1	1.320/303	0.7465968 0.79731405		0 92915183
Endogenous retroviral sequence, 5 and 3'	1.1070669	0.9789911	1.1128079	1.1103172	0.8919403	0.8919403 0.53027105	1.2154467	1.49/6400	U./830404	0.802637	4000		
LTR				1000001	, ,0000	9000000	4 0802507	4 8834116	1.61845	1,6085961 0.7375403	0.7375403		0.72498788
Beta-actin	0.72711504	1.261218	_L	1.3523881	1.4033044	1.6310300	9005000	1 12/8907	1 0545754	1 0545754 0 9887072	0,7888141	0.6928104	0.8345931
Phase-1 RCT-65	1.3860147	1.0607959		1.1916684	1.2472743	1.0/3/04	4 4667888	1 3615812	1 6303443		0.8309881	0.8013304 0.66481847	0.66481847
MHC class I antigen RT1.A1(f) alpha-chain	1.2248117	1.0487486	_1	1.123859	1.14552594		1 0530555	0.8581607	1 7328737	0,7996875 0,98002386 0.93821704	0.98002386		0.72665083
Bax (alpha)	1.1708492		0.9538658	1.004707	1.0121000	1,040,3027	0.0000162	4 7758103	1 1930655	1 1930655 0.85136336	0.8673934	0.8795255	0.7894532
Carbonyl reductase	1.080439	- 1	0.9830242 0.96168107	0.9803397	0.9803397 0.86665103 0.87857463 0.868133	4 4705246 0 04487705	0 04487705	2 5385015	1 8327214	1 8327214 2.4577072	1.0022544		1.0062885
Beta-actin, sequence 2	0.9796927	1.05739	1.0134748	1.0134748 1.0863145	1.1/60522	010000000	O 0120081 0 00418116	0 00418116	1 892138	1 892138 0.80561113 0.85183823 0.81505436	0,85183823		0.74316573
Interleukin-10	1,1594772	0.82338434	- 1	0.928/4/05	4 490400	4 446653	1 4671367	0.8985956	1.2911688	1.2911688 0.9005617	0.916745	0.916745 0.80753434	0.8237102
Phase-1 RCT-191	1.1965928			1,1821475	1,100199	,	0 0470E24E	4 0000004 0 0470E04E 4 054334R 0 92828413	0 92828413	1 1221396	1.0907009	1.0840389	1.1461548
Phase-1 RCT-111	0.89211863	- 1	- 1	0.9080333 0.99806225	1.0362118		0.9170545	7500864 0 1988967 0 89980257	0.89980257	1,1157608	0.9508884	1.2212721	1.1711509
Apoptosis-regulating basic protein	0.87599856	1.0212651	٦	0.9301628 0.81223226	0.8810531	4 20 70 76 6	8050700	0.0111010 0.0001000	0.483344	0.483344 0.5317811	1.5826957	2.0725956	1.347449
Glutathione peroxidase	1.0575132	-1	1	1,006463 1,0854166	1.1205105		4 477454	4 470454 A 7200E705 A 940R15 B B 74432883	O 91081588	0.74432683	0.9150288	0.8795312	0.9927617
Phase-1 RCT-239	1.0390319	- 1		- 1	1.1204583	0.858/5504	0.0740064	0.0000000000000000000000000000000000000	0.9677724	0.9677724 0.8743017 0.91726846	0.91726846	0.69480604	0.8509328
Phase-1 RCT-67	1.0224406		`	- 1	0.9158499 0.94983596 0.89327013	0.89327013	4 0445445	4 2504582	1 104309	1 2416847	1.0806726	1,1172287	1.03131
Tryotophan hydroxylase	0.9604351		0.997735	0.9230387	0.9230387 0.90501124	0.700051	4 0000777	0.4453314	0 42034262	0.4453314 0.42034262 0.43964502	0.7885713	0,7885713 0,85936683	1,3075212
Suffictions ferase K2	1,2830923		- 1	0.92346378	0.67934567	- 1	1.0033///	0.0443314	0 8774504	0.44505114 0.42505250 0.44504 0.45504	1.0567874	1.0567874 0.8290034 0.86531475	0.86531475
Calorandin B9	1,0069469	1.0744166	- 1	1.09247	1.09247 1.0712606	- 1	0.900045	0.042.014 0.01 14304 0.0503044	7077007.0	0.0522304	0.9629836	0.9629836 0.69934726	0.8977193
Phase-1 RCT-123	1.0657519	1.0657519 0.99640083	- 1	0.88120115	- 1	- 1	0.8505437	0.7240524	0.0001503	0.2240524 0.04804503 0.759676	1	1,1078945	0.9908966
Phase-1 RCT-88	1.1870042	1.1870042 0.98588586	ı	1,0007564 0.9343267	1.011878	0.885///5		0.93294/4 0.1310331 0.9445654 0.8698504	0 08145854	0.86998504	1	0.897363 0.88524754 0.77075803	0.77075803
Aguaportn-3 (AQP3)	1.0490684		_	0.92840874	힉	0.80933433	1	0.9309303 0.01019301 0.05174578	0.05174578	0.2249203	1.356951	1.3994963	0.4242189
Stean/CoA desaturase, liver	0.39296386	_1	١	0.6518476	1.894691	1	1	0.300.067	0 7236261		1.019526	1,019526 0.83589655 0.71806085	0.71806085
Phase-1 RCT-64	0.92618066	1.0138766		0.95526135	0.979646 0.95526135 0.96539115	1.0959152	1		0.15201201				
	•												
(1) Gene expression data for 24 hour													
timepoint are presented as mean ratio of													-
treatment/control for all 24 hour predictive													
genes (Table 5).													
(2) Compound and dose abbreviations as in													
Table 1.													
(3) Individual animal number													
(4) Liver inflammation classification for													_
compound-dose group at 72 ht yes-nect,													
necrosis observed; yes-both, necrosis with													
inflammation observed; no, no histopathologi	>		_										
ODSERVED.			-										
(5) Predictive gene (as in Table 5 and as													
Included III 1 abid 20)													

Table 29. Expression Data for 24 Hour Timenodint (1)													
				1		T	ı	900	T	000 000	DDB 800	BBB 800	0001 7 1000
(i	CIS 10	CIS 10	CIS 10	ANIT 60	ANIT 60	ANIT 60 B	BRB 200	BKB 200	2348	2334	335	2336	2054
Animal Number (3) Liver Toxicity Inflammation Classification (4)	2	92	02 02 02				yes-both y			yes-both	yes-both	yes-bath y	yes-both
Gene Name (5)											200000	1000000	2 0508464
Gamma-actin, cytoplasmic	0.82724625		0.67952347	28152604	2.7905335	2.783659	6.3413463	1 440 5783	2 2340503	9 7501855	1 9597841		1.7634618
Phase-1 RCT-145	0.99323213		1.0810103 0.97031736	2.088889	1.32307	1,3/3049	3.0154673 0.94270796	0.94270796	32177715	3.1520169	4.261273		2.030087
G30045 Dhees-1 RCT-78	0.80739146	ľ	1.	0.69513206	0.8470088	0.7892923	0.83518	0,7712085	0.5321541	0.5752027	0.69219035		0.55781156
Fac artices	0.72530997	L.	ــــــــــــــــــــــــــــــــــــــ	1.2441623	1.2612631	1.122157	0,9198995	0.91421396	1,1204231	1.1380218	0.9398895	1.0850316	2.1579413
Macrophage inflammatory protein-2 afolta	4.758492	Ľ	ш	2.5375724	2.5458276	2,2808068	2.9151096	1.2480948	4.625348	1.2691608	1.2484365	1.1192974	3.227502
Integrin beta 1	0.9165781	0.89133865	0.8958817	1,7162081	2.1971838	1.8082483	1.4571774	0.9084934	1.427/1086	1.3365039	1.3892283	03077070	0.9302342
Phase-1 RCT-207	1.7326708			1.681586	1.3995581	1.3459651	2.037197	1.0707659	3.252716	3.8252057	2.7535556	-4-	2.003837
Aspartate aminotransferase, mitochondrial	0.678668	\perp	1.1101363	0.855814	0.8853435	0.8680167	0.8782228 0.92464/5/	0.92464/5/	0.6784826	0.0018973	┸	-	1.0198727
Caseln-alpha	1,5185848	┙	-	0.921519	0.9614836			0.7430712	0.09309999	O 9089319	L	-	0.93841606
Malic enzyme	1.1466739	-	٦_	0.7590175		0.02379100	0.71037200	0 7765816	1 0029058	0.9638081	L	-	0.9112697
Phase-1 RCT-30	1.1383116	٦	1.08552	4 4264822	4 924 78 27			0 77471167	0 902446	0.8769579	L	1.021884	1.060641
Hepatocyte growth tactor receptor	1.330311	0 7756838	ľ	4 0744748	1 1040604	-		1,1657861	1.0921427	1.1160478	1,319989	1.2237319	1.5831045
MAP Kinase Kinase	1 0748280	ł	1	0 67929983	0.5064593	0.649501	1.1770885	1.1405883	1.0597756	0.94781333	Ц		1.1837766
Sodium/glucose corrensporter 1	0.44558307	ŀ	4	0.5182551	0.46960972	1.2296733	1,3520467	1.4277927	1.5294025	0.5682016	1,5093017	1.8341143	0.69558406
Phase-1 KCI-2/	1.8135883		1	1.5586743	2,7248285	2.7353585	1.8690739	0.8449889	3.9277573	2,437746		1.7603701	1.7924391
Dham 1 DCT 100	1 150400	ľ	1	1,1743883	0.8588591	1.0033683	1,3094614	1,2500607	1.596408	1.830081	_	1.453505	2,7666936
Phase 1 RCT-288	0.57971936	ı	↓_	0.40367845	0.40367845 0.48828462	0.45742106	0.3955931	1.013478	0.36011812	0.35105264	7	0.40384614	0.4221105
Phase-1 RCT-37	1.1972648	1	Ш	1.0136738	0.9576539	1.069543	1.1191857	0.9672426	1,2238449	1.5688986	_	1,2856841	2.236209
Organic cation transporter 3	0.96289814	0.9381509	0.92557615	1.3428649	1.1835398	1,3100312	1.2409198	0.8546853	1.3648101	1.6386086	1	1,0131700	2.112/2/3
80S ribosomal protein L6	0.9732808			1.3241475	1.1786474	1.3815914	2.092782	1.6295883	1.941105	2.2685843	2,12/3542	2 0750547	1 8967394
Zinc finger protein	0.9822273		_	24493477	2337706	2.670814	2.7530024	0.86596376	5.7.29390	4 224 5008	L	1 0619434	2 2606952
Calgranulin B2	1.0829	4		1	1 6544000	1 726/06/3	1 800624	1 2480087	1 7147872	1.4837141	L	1.493505	1.7147999
10-1	1.055604	7.1346363	1 2046607	0.46910748	7804797	0.5628777	0.5270688	1.0341121	0.48971674	0.47608963			0.30086383
Phase-1 RCT-82	1 4457004	ľ	15	1.3287889	1.6983397	1.1894824	0.8159624	0.7175129	0.9709338	1.179287	1.8978424	1.1670513	2151158
Market RCI-113	1 245774			ľ	0.6658238		0.65455997	0.8986663	0.46347874	0.4314714	9	0.6078947	0.5748441
Maril homologue (MI.H1)	1,332751	1		1	1.091539	1.0201291	0.8951369	0.8342756	0.9246321	1.047931	┙	1.0046285	1.4936585
Phase-1 RCT-79	1.016026	19	0.84906113	Ш	1.1180383	1.1377587	0.98994416	1.0892329	l.	1.1397485	1.2999375	1.2/44336	1.7440903
Sorbitol dehydrogenase	1.412227.		-	0.81675893	_	_1	1.0234948	1.4680339	1,4477404	1.3406318		2 3283994	2 9543788
Phase-1 RCT-24	0.811354			\perp	1.3844216	1.222949	1.94.363357	1 0632242	0 9602715	L	L	1.0221102	1.1501548
Calgranulin B1	1.016146	0.70418423	4 4709574	4 0457448			2.0641768	1.7279829	1.7999846	L	Ц	1.5377442	2.9945145
Elongation factor-1 alpha	0.9224620	١٣	+	Ľ		0.47529775	0.2873403	0.72025126	0	Ш	Ц	0.35245144	0.28735882
Phase 1 RCT 33	0.5556829		ᆮ	0.5376451		0.47198238 0.56167465 0.42701986	0.42701986	0.9747322	_	_	٦	0.5756664	0.48241082
c-inn	1,9329888	1 1	1,2160735		_	2.479193	1.81939	1.494286	2.2417455	1		1.563/29	0 27084788
Phase-1 RCT-233	0.80129665	Ц	1.3382627	0.4198262		0.42352268	0.7440132				. L	0.7024034	0.37001700
Phase-1 RCT-36	0.8738113	┙		ា	-	<u> </u>	0.72325546	0.72325546 0.70816594	4 8502000	4 250377	1 1570076	1 1252191	2 2257814
Phase-1 RCT-242	1.6458608	1	_	2.1078625	٦.		0.93741196	0.01353043	┸	٩	┸	0.8822259	0.5870315
Phase-1 RCT-181	0.91456807	┙	0.8488927	0.8646125	0.8001847	0.6490373	1 0430269		0.6016344	┺.	Ľ	0.49845013	0.32937723
Phase-1 RCT-185	0.5/25/22	5 0.021//UI	┸	ľ	1	_	2,877741	1.5803219	3.243633	_	L	2.7567697	3.016563
Phase-1 RCI-1/8	0.7309307	S	_	1 2269295		1	3.0254192	0.9767266	3.379373	3.0924978		2.1083964	2.627093
12230-1701-144	0.86473733				Ľ	1,1590693	2.5236042	1.2421546	2.260655	2.0875418	\bot	1.739983	2.7720058
Phase-1 RCT-225	1.1903867	L	10	1.028194	ш	Ш	3.0578728	7	Ц			2.0740738	5,277.24
60S ribosomal protein L6 (alternate clone 1)	_	<u> </u>	3 1.0681066	1.2078929	1.0232292	1,2686127	2.9842246	2.14093	2.5383334	2.3995628	2.5032498	1.812420	2.001203
Doto tributio place	0 828604		1 104728	1		1.1703591	2.6675942	1	2.3386688	2.2925663	Ш	Ш	4.3570747
Midden resistant ordein-2	29246273	3 4.7353415	5 2.4912171	4.008009	3.4536848	t I	1.8614948	1.2608433	1.8566137	1,391584	1.5416601	1.4478899	3,4459193
Munday Constant Property		1		ı									

Phase-1 RCT-49	1.1182084	0.9792716	0.8867833	0.97245187	1.035773	-	1.5863192	0.7475788	2.3540325	2.4779747	2.0622022	1,6578346	2.4883013
Calgranulin B3	1.1003022		0.8928941	1.50194	1.2385921	1.2331116	1.467437	1.0596248	1.3876842	2.020875	2.3159952	1.6054727	1.98844
NADP-dependent isocitrate dehydrogenase,	0.7524885	0.78037595	1.2077081	0.53553915	0,5181257	0.59741026	0.90045047	1.2544773	0.74175125	0.99455893	0.8947122	1.0610213	0.46104473
Octamer bloding protein 1	1.3134217	0.9211289	1.4562215	0.68122375	0.60714346	0.6210288	1.0400398	1,1157578	0.9110798	0.87717724	0.99049145	1,0649467	0.68905973
Sodium/bile acid cotransporter	0.47047058	0.55905944	1		0.50584453	0.504769	0.3977225	-	0.51537305	0.47542214	0.4255522	+-	0.28790095
Phase-1 RCT-174	0.9664532	1	ľ	+	0.77860254	-	0.8841745	_	1.3206568	0.97360873	0.90232736	-	0.7262499
Phase-1 RCT-77	0.8301803	1.0917418	1.707966	0.6251808	0.63231564	-	1.5235044	1.6425251	1.0906007	1,2529829	0.9889294	0.8959043	0.5588437
Inositol polyphosphate multikinase (fpmk)4	0.55931497	0.63649786	1.3715794	0.32751185 0.43681988		0.52328914	0.8030628	1.0725478	0.4349538	0.35483157	0.4998993	0.35529378	0.20870742
Equilibrative nitrobenzythioinosine-sensitive	0.7262129	0	_ 0			-	0.63183814		0.3283659	0.3405506	0.4673865		0.31350487
nucleoside transporter		1						_					
CDK102	0.8621907	0.8295951	1.1030744	0.6858315	0.6858315 0.67649615	_	-	_	0.8615408	0.9684693	0.97562865		0.8625149
Phase-1 RCT-209	1.2067533	1.2456827	1.185327	0.7443172		0.7546657	_	0.73994416	0.8111028	0.7067985	0.7050434		0.61159617
NAUN-Cytochrome to reductase	0.562656	0.49/60124	1.062288	0.59726113 0.56891485	0.56891485		0.8547643		0.6034823	0.9214932	0.79215/7/		27701250
Dynamin-1 (Judo)	0.8961323	U.85/8891	1.1968266	0.514/045	U.514/U45 U.5/586586 U.46/53195		_	0.7635024	0.82262970	0.72002086	0.723/74/3		0.43/20826
Described marker protein-30	0.35119078	0.42040997	0.97193845	0.25518194	0.52595073	0.4065620	0.2363/104	_	0.1/850238	0.139/42/	0.10400170	0.14/43991	0.4805808
Camitine palmitori-CoA transferase	1.8839364	1	0.77543306	1 7609565	4	_	1.0866745	_	1 0019151	1,1555885	1 1210735		0.26876524
Alpha-2-microglobulin	0,5910115	١٩	1.4181736		+-	₩.	1.0434804	_	0.52861	0.50205976	0.8539102	_	0.10907748
Apolipoprotein Cili	1.0711987	ı	1,525113			0.78302844 0.85676235 0.81259626	0.85676235		0.70066094	0.743617	0.6846948	0.70714283	0.383803
Cathepsin L, sequence 2	1.4807463	1.6676673	1.4350458	1.7213274	-	2,283068	2.8960137	1.5487506	2,3439903	3.4436734	2.803804	1.9413538	4.7669608
Phase-1 RCT-141	1,9543427	2.1604865	1,7009181	23369281	2.9470577	-	1.7803478	1.0156728	1.4793526	1.102306	0.95750386	0.8017688	1,2314063
Phase-1 RCT-289	0.5395202		1.1524754		0.57144773			1.0586982	0.5900754	0.70885414	0.7281247	0.7573724	0.5913611
Endothelin-1	1.5004412		1.1088881	1.2859685	1.0892084	_		0.89709467	1.0019877	0.9525998	0.90931328		0.7728649
Phase-1 KCI-282	1.1136864	1.0339315		0.9470797	1.009986	-	_	0.78566413	1.0253268	1.0632458	1.2452167	_	0.93394643
Phase-1 RCI-140	1.1169654	1.0511596	ı	1.1127888	1.1242876	1.011963		0.890253	0.8917811	1	0.98888165	1.0624235	1.0392525
Phase-1 PCT_287	1 174107	1 1777731	1 0000078	0.92351407	0.6926167	0.87707177	0 8528080	4 4745782	0.091/042	0.7516000	0.0324122	0.020133	0.0402446
Phase-1 RCT-281	0.75021195	0 89730567	0.89213085	_	-	0.75114787	1 2062211	1 230714	1.0865341	1.0504535	1.0638791	٠.	0.91731733
Retinol-binding protein (RBP)	0.8089546	1.0029635	1,593229	883	-	0.7132884	1.878798	1.6498935	1,1124187	1.5430404	1.3339612	1.18313	0.4141254
ATP-stimulated glucocorticoid-receptor translocation promoter (Gyk)	0,81435657	1.0149196	0.89836055		0.50895286	0.4642629	0.5450825	0.9718805	0.613031	0.67895246	0.8218793	0.7028068	0.6404624
Phase-1 RCT-60	0.8640484	0.888075	191	1.6288269	1.8332595	2.0561283	1.4598786	1.008503	2.05471	2.4060385	2.0210497	1.6777257	2.0340014
Pyruvate kinase, muscle	1.0308839	_1	1.0635122	1.5084109	1.4707555	1.4259942	1.8136168	1.1696442	1.7775879	0.894228	1.0612112	0.9770695	3.636856
PAR Interacting protein	0.9423729	0	0.8311345	1.3840002	1.2157574	1.1198193	2.294099	1.2070475	2.9862342	3.5541978	2,9899216	2,3397791	1,735508
Nucleoside diphosphate kinase beta isoform	1.252327	1.139818	1.7035264	1.0977099	1.248496	1.2140932	1.8620404	1.5043029	1.5406747	1.5954394	1.4057313	1.1744483	3.0686514
Gadd153	1,4060813		ᅥᅥ	0.9947393		1.0169462	3.3716147	1.5049493	2.2389214	2.0062053	2.3236132	1.4319441	3.5861967
Insulin-tike growth factor binding protein 1	0.7644331		1.32067	1.8059268		• 2.4912002	6.49358	1.353118	3.855229	2.3378346	2.3525052	1.6197916	2.908188
c-H-ras	1.1560878			_	1.3348665	1.3179317	1.3103396		1.3093609	1.2833016	1.242251		1.633201
N-hydroxy-2-acetylaminofluorene suffotransferase (ST1C1)	0.21446459	0.4633918	0.90073943	_	0.50632894 0.38339978	0.38339978	0.2617291	0.9447864	0.19364727	0.24691275	0.3123144	_	0.19158725
Phase-1 RCT-52	0.25966948			0.63874376	0.7993692	0.8194473	0.46798185		0.29879257	0.27040997	0.3073086	_	0.5197132
Alpha 1 - Inhibitor III	0.4164851		0.70792437	0.41671333	0.3635373	-			0.35475832	0.47378162	0.41407678		0.22211233
Sterol carrier protein 2	0.74162906	┙.	1.345388	0.516745	0.6255137		0.62657994		0.53975356	0.5690988	0.76071554	0.7183671	0.5257231
Colomoration DA	0.49409759	0.0039230	0.000/485	0.63000	0.04201000	0.40031300	0.3000394	0.020332	0.0001091	0.001130034	0.3733031	0.0701443	0.0000000
Dhase, 1 PCT, 182	0.454321.02	┸	4 00034480	0.0730302	_		1 348/1345		0.303346	0.5041400	0.401213	-	0.3332303
Calorandin B8	0.87883507		0.9411976	0.58651674		-	0.89428845		0.76555914	0.5385655	0.65881234	_	0.4902947
Aldehyde dehydrogenase, microsomal	0.9708295	0.7960903	0.7675256	0.9066032			0.60927826		0.46195292	0.7377977	0.721162	_	0.5509729
Phase-1 RCT-128	0.5201788	0.5982262	1,6249751	0.40784308				1.3068181	0,5385185	0.5684197	0.5639549		0.30946514
Phase-1 RCT-102	0.24622618	0.30895126	0.6141785	0.30324045		\rightarrow			0.36458078	0.30518886	0.45720795		0.32243782
Preproalburnin, sequence 2	0.56628174	0.5417234	1.1031971	0.56490517	_		0.9973644	1.1696702	0.6500595	0.4842791	0.63104268	0.49549216	0.3077183
Apolipoprotein All	0.27780518	0.2721711	0.70916295	1,1609181	_	1376	0.32279322	0.6915203 0.27525848	0.27525848	0.26837498	0.32505155	0.32614976 0.2399673	0.23996735
Phase-1 PCT-18	0.71003337	0.07033823	1.2009134	0.0 1001137	0.7416044	0.78327020	0.8203321	-	0.50000521	0.3703014	0.00450050	-1-	0.4317045
Phace-1 RCT-8	0.6092162	0.5/3/4309	1 1130717	_	0.70501375	0.6140743	1 0729198	-	0.9339900	0.5570644	0.6524657		0.34238267
CHASC-I NOT-0	7,0000,00	United Secure	1.1100111	_	0,000010101	V.000001	1,01,631001	יטרונטטטא.	0.0001000	היאחו ורייהיים	U.WENDY!		0.0 6.00201

Phase-1 RCT-168	0.68942803	0.61384875	0.780075	0.83854526	0.95003855	0.9666907	0.6820972	0.7985564	0.56648976	0.64724916	0.73338693	0.75185984	0.4996205
Phase-1 RCT-88	1,1227387	1.2653813	1.1898217	0.7571328	0.7798724	1.0261106	0.7127862	0.75001884	0.8397243	0.6534348	0.8179628	_	0.36250985
Beta-alanine synthase	0.6686589	0.792908	2.0240051	0.6955099	0.7242554	0.5721901	0.40353712	1.1047875 0.37532797	0.37532797	0.30562803	0.3473381	_	0.44667837
Phase 1 PCT 298	0.23183629	0.24507588	0.31087506	0.1922587	0.2773164	0.24916413	0.33678442	0.689222	0.27071857	8	8	-	0.22784016
Cathoric arthures III	0.127879		+-	0.087353155	-	_	0.19910686	0.73462397	0.06721065	0.035056096	0.042923965	0.053843502	0.05255647
Dhase 1 PCT-201	0 93523055	0.9680121	-	0.4497288	╄	0.49651492	0.8945057	1.1988659	0.6860547	0.6663093	0.7459604		0.555074
Cochoch polyndrae III common 2	0 5909986	1.1000228	1.6845252	+-	8	_	0.6212821	2.1835914	0.8847644	0.4135174	0.8756481	_	0.22898112
Dhoen 1 DCT-974	0.6425568	0.44631323	1,1051268			۰.	0.5824906		0.52788246	0,56891535	0.6220582		0.9136132
HMG-CoA synthase mitochondrial	2,339676	1.8755136	0.733267	0.90491885		_	0.606438	1.252334	0.4051631	0.66024977	0.70561206		0.24860075
Phase-1 RCT-189	0.800868	0.7702052	1.0880882	0.83807636	0.8485993	0.6801832	0.5887001	0.97497004	0.55197877	0.3470025	0.5071123	_1	0.67716044
Phase-1 RCT-40	0.5244213	0.7598361	1.1957912		0.77672815	0.59564453	0.59641576	1.1619401	0.5298916	0.42565373	0.49515325	0.44501293	0.7596103
Hosey profesor	0.459627	0.6261172	2.144783				0.42418185	1.1981533	0.26252556	0.28797212	0.4119476		0.263981
Demovorase 1	0.4450429	0.5490457	1 2321923	0.47113988	0.50816905	0.5347782	0.82349455	0.86596376	0.5130099	0.53221846	0.5038561		0.24010412
I har fath, and hinding partain	0 2922784	0.30979812	0.74774826		-		_	0.63892158	0.2431244	0.20579734	0.26935798	0.27704984	0.26555592
December 4	0.41509038	0.37258005	0 7283787	0.43922162		-	_	0.8017057	0.3376632	0.4666128	0.4047977		0.2488283
Disco 1 DCT 38	0 R243454	0.61908907	1 1063186	-	0.33386886	_	0.3181279	-	0.26014477	0.42962685	0.40238777	0.4535689	0.58712083
Disco 4 DCT 220		0 6204899	0.84833825		+-	٠.	0.55158484	1.298134	0.4056625	0.44583696	0.47775945	0.5260442	0.60994524
Totalhandin	0 5614568	0.5726632	1 2968193	-	-		0.51796484	٠.	0.32160974	0.27232224	0.3988705	_	0.18904375
Hallsuyean	0.27006136	O Angelegan	0 7305018	-	-		0.56898135	٠-	0.39374915	0.4554594	0.4118915	0.39527595	0.29031652
Charles BASO 11A1	0.27542494	0.40300300	1 2280852	-	_		1.0213696	-	1.0641774	0.8549009	0.9741457	_	0.25271136
Cymanonia raso inc	0.202027	0.000	4 9708647		-	0.61722696 0.76200193	0 76200193	_	0.54068315	0.55169636	0.80273548	0.601038	0.5559436
Present RCI-1/3	0.1901031	0.0435212	1 60724	-		0 6353955	0 6683247	_	0.7437483	0.5235848	0.5964308	0.68596256	0.5110082
Prase Rollin	90.001.00	0.6950000	1 8302003		0.49997792	-	0 84223735	1.1021416	0.6023281	0.678141	0.63096184	0.61012405	0.46870697
Prase-1 RC1-13/	1,000,000	4 4279084	4 004592	4 426574	1 060R701		1 38840B3	0.9209077	1.6703471	1.3275331	1,1962161	0.91724694	3,367,168
Melanoma-associated anglen Mc491	1000000	4 0400338	O O TO BEACH	4 0007445	1 2500782	1 0487278	1 1355038	1 0028685	13398657	1.767338	1,583604	1,5427805	2.8219137
F-139-1 RC1-12	1.000000	1,0000000	4 2707565	4 2765508	4 208122	4 4524632	1 0570073	1 5423272	2 1089528	2.4927106	2.6961086	1.9290539	2.5763526
Phase-1 KC1-152	1,000000	0.04000549	4 4244403	4 565010	4 8438247	1 4153006	1 4373559	1 2539016	1 5923091	1.7873095	1.4164262	1.4146473	2.1649923
14-3-3 ZBIB	0.04973717	0.91030343	0.8919667	0 6462769	1	0.89126647	0.5815008	0.85602	0.50918937	0.39393038	0.29726845	0.34829244	20871632
Cytodilline P430 2023	4 0430007	0.07120004	1 14304R	1		0.9300347	2 141201	1.9446859	1.9158632	1.7500443	2.0645165	1.5197922	2,1096287
Vollage-departuent amon champer & (volume)	2000												
Phase-1 RCT-154	2,0589685	2.5475147	2.2485664	1.0681405	1.0714875	1.0281553	0.9985927	1.123611	1.3041165	1.4506433	1.4088342	1.1777608	2.0881333
Simenaide dismutase Mn	1.2139889	1.0029822	1.3913771	2,3443198	1.9280921	1.4414591	2.6753087	1,6109605	3.0746365	2.0558743	1.9492795	1.6398455	3.2306366
o-mvc	1.8824852	1.4593872	0.9192107	2.6966634	1.8458204	2.0439997	2.472881	1.148268	2.9890804	3.041558	2.5274923	1.8903915	2.5014267
Phase-1 RCT-196	0.9698325	0.9596937	0.91081756	1.5400642	1.7546747	1.7943101	1.5309744	0.9701351	1.5894487	2.0687976	1,6561388	1.5536627	1.4650904
Ovdin G	4.177021	5.5452768	3.072167	1.4286355	1.6611838	1.6551875	2.8484836	1.0317868	1.7417202	1.8202311	1.857407	129541	4.071453
Calorandin B5	1.1411692	1.1041021	0.9243209	1.1742665	1.2959218	1.1928128	1.0861967	0.8774201	1.5793197	1.696248	1.454901	135458	2.3546832
053	0.8076869	0.7704963	L	1.3007476	1.3982984	1.1080066	1.4482548	1.1330049	1.7004056	1.4421312	1.3626181	1.1512202	1.2768244
Phase-1 RCT-205	1.0723933	0.9298396	0.78696966	1,500363	1,4831738	1,3163437	1.3004432	0.817663	2.0407875	1,553151	1.5094599	1.3233093	1,6623992
Phase-1 RCT-68	1,28593	1.0019991	1.1050183	1.2066668	1.077988	1,2159271	1.9724381	1.1215724	1.8874464	2.0502522	1.89Z831	200000	277000
Caspase 3	1.2578963	0.8270564	1.0480886	1.3864143	1.7914762	1.8368969	0.8540335	0.8624649	1.1751412	1.0810413	1,3384063	1.4302/00	7 2450207
Alpha-tubulin	0.9230521	0.6792287	0.9777648	1,5752633		1.527057	1.5806142	1.0930152	1.4924905	1,5695/45	1.3053133	1,33/0183	18770177
Ribosomal protein L13A	0.7975397	0.79694706	-	1.2558315	익	1.0597126	2.0141196	1.8109642	2.098/43	2,02033	2,00000	4 001700 t	2 4056240
lgE binding protein	1.2889707	1.2985214	-	1.1841584	1.1343348	0.95208037		1.4163593	3.1563334	1.3620450	0000226.1	1 3/27883	4 8242497
Phase-1 RCT-39	1.0494285	0.99999994	4	1.394147	1.7354772	1.2926806	2	0.90048634	2,1006043	1,0034730	2 0408528	1 7689312	1 52941
Cofilin	1.1655151	1.1505121	1.1726911	1.1345875	0.996/0166	1.1302248	232223	4 4744409	45 824005	17 7012	19 530851	12 751645	2,906816
Heme oxygenase	1.0006491	0.7000496	0.7037601	1,478942	2.103343	1,007,000	2 0200400	0 8758043	2 584422B	2 0845985	1 1284157	1.1560014	1,4213411
Phase-1 RC1-241	1.125032	1,3/1209/	1 432250	1 2424540	91003170	1.5330503	1 820810	1 2715254	1 5436891	1.8866477	1,4525287	1.347097	2.0256555
raposomal protein Se	0.832200	4 0500334	ACA3707 0	4 228748A	1 122088	1 138353	1 1859982	0.9631207	1.5418757	1,6499089	1.3859353	1,3581933	1,2588491
Aminimum model	2.0000040	1 534673	1	1.4018197	1.0604713	1,4711878	2.651008	1.7640364	2.1451428	2.2517676	2,6117758	1.8981912	1.4428127
Dhee 1 RCT-180	1.4608333	1 2252749	-	1.4825579	1.1481745	1,5800836	1.2648929	1.2552742	1.5028497	1,726077	1,4324504	1.5145471	1,2913755
Medidnin resistant protein-1	5.2112646	6.6054926	L	3.6975641	3,1814823	3.4660316	0.6573524	1,4860818	2.0744915	1.8535577	2.0215464	1.461586	2.671373
Omittine decarboxylase	1,3365344	1.0972822	0.7047622	1.9478767	1.5830907	1.8256718	2.7621548	1,4877541	2.287528	2.9204438	2.9021356	2.0018406	2.0043225
Thymosin beta-10	1,0044553	0.8322679	1.2984791	1.2212476	1.057981	0.9687337	1.3312045	1.3671318	1.3729193	1.1893088	1.5480845	1.2779149	224/151
Phase-1 RCT-72	1.1017557	0.9191091	0.9388089	1.0519296	1,2393016	1.1354774	1.0791714	0.86659586	1.4422833	1.4668368	1.4730872	1.2243330	0307000
Phase-1 RCT-109	0.8799327	0.8433956	0.9243685	1.1541326	0.9714038	1.1113037	1.8951125	1,6514163	2.225969	2.7550473	2.0292803	4 2683435	0.08773000
Phase-1 RCT-76	0.7557179	0.83915955	0.82887006	1.0209672	1.1210849	1.003959	1.3690445	1.3201035	1.301/358	1.27939007	1.30031	4 1200AZB	4 9528583
Vacuole membrane protein 1	1,0284852	1.338311	1,3564483	1,5226961	1.1807322	1,5724632	23771183	1.2153334	7781CA17	T100500.1	1,4663334,1	1,16,000,101	

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				100000	4 9505044	4 2474707	A 1736364 0 82038677	0.82038677	8.2314205	8.100554	5.490545	3.1531248	1,0898789
Phase-1 RCT-158	1.2229285	1.4704888	0.9049850	C764C67.1	100000	1 205 40 40	4 674646	4 K74K4K 0 04697378	1 5491128	1 2205116	1.0894811	1.0139892	1.0570803
Phase-1 RCT-113	1.1949328	1.5234491	1.0300158	1.4817379	1.4815330	1 0950404	1 8541503	1 5852102	2.5818267	2,6395524	1.482342	1.0769471	2.8587914
Endocenous retroviral sequence, 5' and 3'	0.8274848	0.7270998	0.97860044	0.8816609	1.0033356	+6+0con:1	2011	-					
LTR				000000	4 9047544	4 4250698	2 485783	1 8162844	2.6084833	1.7813826	1.4456668	1.3981987	24132357
Beta-actin	0.54395413	0.50408936	- 1	1.3863/03	ᆚ	4 9400000	4 7058478	1 2298528	1.8561968	1,3086895	1.6228485	1.4601291	1,7559551
Phase-1 RCT-65	1.7487537	1.530548	_1	1.8543/45	4	4 2000445	4 4065083	4 28RS089	1 8331797	1,8584945	1.9029388	1.7325557	2,525919
MHC dass I amtigen RT1.A1(f) alpha-chain	3,8330574	2,383897	1.0466964	1.5991622	2,0008862	1.320045	53818	1 4198767	1 3273505	1,5367341	1.711984	1.3536209	1.8403347
Bax (aloha)	1.1118253	1.1582731		1.3595716	1,597,623	1.2390039	4 6763736	1 0354006	1 3749789	1.6399505	1.1494583	1.2750872	1.6659124
Carbony reductase	1.2957275	1,2126508	_1	1.3311648	458082-1	4 0446404	1 7415736	1 7199162	1 797293	1,1822512	1.0958151	1.1488302	1.6749736
Beta-actin, sequence 2	0.52233785	0.4698573		1.17/4303	1.1/0/400	4 20 20 78	1 700885R	1 452785	1.0934541	1,2539966	1,3240098	1.4761643	1.0653152
Interleukin-10	1.3533499	1.4298408	~	1.5958307	1,5524945	4.2037.0	4 778480	1 301535	2.139248	3.0565724	2,43825	2.0816464	1,5659757
Phase-1 RCT-191	2,2285156	2.0367167		1.6250434	1.39.00	1.0003700	4 401000	4 434657	1 3089089	1,3013914	1.3594732	1.1032851	1.0872564
Phase-1 RCT-111	0.8000823	0.87229455	_1	0.91501766	1.0621802	-	A 6400008F	0 6420028F 0 927808F7 0 55070424	0.55070424	0.5024909	0.5405658	0.54678875 0.61168474	0.61168474
Appropriation pasic protein	0.6965337	0.80748713	\perp	0.45588332	710891010		O SEBBBA	1 0305337 0 3955971	0.3955971	0.34866202	0,3361981	0.33522168 0.44056332	0.44056332
Garathione peroxidase	0.5432186	0.6389549	- 1	0.42614537	- (0.30330030	0.000018	A 6245075 A 64559316 A 6877516 A 74723995	0 74723995	0.8103561	0.91728214	0.9213235	0.47690344
Phase-1 RCT-239	1,8452631	1.1058224	0.7795404	0.9437185	0.7811502	0.83409/3	0.01030310	0.68150510 0.00275151 0.81264305	0.81264305	0,8809966	0.8088049	0.8394109	0.7914068
Phase-1 RCT-67	1.131646	1.1312853	-1	0.91000	0.9108559 0.85612657 0.957675	0.704040	0.002000	0 TO 10 10 10 10 10 10 10 10 10 10 10 10 10	0.7411042	0.78744817	0.9460498	0.912567	0.5773002
Tryntophan twdroxylase	0.97326195	0.8593259	- 1	0.54846334	7	0.0000000 0.101010 0.000000000000000000	0.00010000	1 1310385	1 1319385 0 51270354	0.6538451	0.7019942	0.58624995 0.73713285	0.73713285
Suffortransferase K2	0.31826994	0.35829198	0.5096699	0.41571143	ı,	0.41/31013	V.03338A	0.41/31013 0.083334 0.04367148	0.8130513	0.6822733	0.78196617	0.7199367	0.8144759
Calcaputio B9	0.96477884	0.9421174	0.9421174 0.89862454	0.6895125	미.	0.7010700	0./010/68 0./5/33684	0 8827518		0.8588566	0.8559161	0.88235295	0.80794066
Phase-1 RCT-123	1.366702	1.2180126	1.2180126 0.98251677	0.8956644	1	208208.0	0.7 13 18093	ı		0.84566694	0.8401846	0.82894725	0.71386385
Phase-1 RCT-88	1,4030994	1.1969616	0.8492996	0.89839566	2014890	0.9201933	0.9201930 0.150000	ı		0.86006844	0.82290655	0.888453	0.7098722
Agusportn-3 (AQP3)	1.498509	1.1874985	-1	0.8900687	0.8900687 0.91774493 0.8931404 0.73933734 0.21818982	0.0351404	0.15694514	0 21818982		0.09480253	0.10421697	0.09173717 0.13786155	0.13786155
Steary-CoA desaturase, liver	0.058449384	0.030496117	0.3952936	1	0.20277213	0.0042000	A 8442548 O R3704973 O 80610037	0.80610037	0.5929832	0.6309724	0.7099378	0.7273017.	0.7294366
Phase-1 RCT-84	0.583944	0.48990262	0.48990262 0.78716505	0.57445457	1.1633008	O.Correction	2000						
(1) Gene expression data for 24 hour													
timepoint are presented as mean ratio of													
treatment/control for all 24 hour predictive													
genes (Table 5).													
(2) Compound and dose abbreviations as in													
Lable 1.													
(3) Individual animal number													
(4) Liver inflammation classification for													
compound-dose group at 7.2 ft. yes-tead,													
inflammation observed; no. no histopathology	>		_										
observed													
(5) Predictive gene (as in Table 5 and as													
Included in Lame 20)													

Table 29. Expression Data for 24 Hour Timepoint (1)													
			T	T	T		Ī	1	T		2	101 /6	101 15
Compound-Dose (2)	CCL 4 1000					150		200	ME1 1.3	MEIO	MC1 0	7796	26.45
Anima Number (3) Liver Toxicity Inflammation Classification (4) yes-both	yes-both	yes-both	yes-both	yes-both	yes-both	yes-both	yes-both	yes-both		2	2	8	
(S) such Name (S)													
Gamma-actin cytodasmic	3 0457294	3.9200022	21755028	2.3958645	1.820712	6.400891	2.6559298	1.7433479	0.59216034	1.5311049	0.9793918	1.1214224	1.1122547
Phase-1 RCT-145	1,9948301	1.7656795	1,34305	1.4387385	1.341065	2.1710186	1.5790329	1.0256796	3.3741124	1.0649536	1.0439278	0.90421987	0.82995695
Gadd45	4.1851983	1.6416964	2.0483875	2,1846497	2.416181	27726345	1.1335245	1,0902935	1.1733235	0.90635324	0.80036753	1.0296901	0.8624209
Phase-1 RCT-78	0.5868493	0.5619331	0.6976997	0.7401357	0.63120127	0.56560117	0.7713856	0.9501752	0.87276715	1.0957514	1.0818632	1.2040777	1.1066562
Fas antigen	2.2001362	3.0729573	1.6169696	1,5319164	1.4695637	2.590346	2.3735297	1.3982044	1.3580158	0.9419759	0.9161348	0.9824907	1.0708266
Macrophage inflammatory protein-2 alpha	4.3032336	4.131834	"	3.9283495	5.477772	5.18203	1.0923767	0.876895	1.0681966	1.5876671	1.235048	0.978371	0.84166205
Integrin beta1	5.1019516		1,573644	1.4625477	1.8222693	2.8472126	1.6182831	1.9419613	0.8301882	1.1922711	0.94565135	0.93716073	0,9087053
Phase-1 RCT-207	2 3 2 3 2 3 4	2.052179	4.962027	5.8372107	4.2311134	2.3718715	1.6958535	1.5759715	1.3956457	1.114728	0.9435023	0.8303126	1.0156746
Aspartate aminotransferase, mitochondrial	0.7174555	0	0.8676622	0.7830575	0.7425922	0.8082463	0.927175	0.9002244	1,2180495	0.8854586	1.0042588	1.222715	1.1398866
	1.0059681	0.9711375	0.8794668	0.9016733	0.8956475	0.8201881	0.8578128	0.98424715	1.791035	1.5352737	1.1222624	0.94469184	0.81128926
Mailc enzyme	1.1382632	1.0568672	0.653715	0.63081396	0.55756634	0.26174328	0.2699147	0.28341085	0.9579906	1.3738742	1.2358319	0.9792682	1.2057909
30	0.68412685		0.9815254	1.0278596	1.005078	0.5515831	0.5111718	1.1424689	_	1.0183982	0.9781208	0.89944065	0.8573576
factor receptor	1.0722193	0.8494952	1.1578555	1.0932206	1.2575308	1.0810369	1.31399	0.85441985	쳤	0.90082294	0.8976611	0.77705497	0.6646914
MAP kinase kinase	1.9318287	- 1	1.0449365	0.9797045	1.0009618	1.600833	1.4160094	1.1958083		1,2038002	0.915712	0.9566995	0.758714
Sodium/glucose cotransporter 1	1.0238842	0.9891469	0.57226338	0.76214784	0.5687112	1,8305595	2.1260047	1.7785423		0.43653625	0.43653625 0.73426133	0.8810524	0.8538274
Phase-1 RCT-27	0.911912	- 1	1.1979294	0.7666303	0.35644408	1.64343	1.6923594	0.9011685	_	0.77010715	0.9122198	1.1751425	0.87310946
Phase-1 RCT-50	2.380688	ᆔ	1.8440611	2.034157	2.052821	2,4425428	1.1325245	1.2060434	1.4380368	1.4134471	1.0527191	0.8135892	0.7898242
	3.1902063	2.980657	1.4751972	1.4764692	1.5566491	_		1.1878891	0.8176519	0.8787565	0.94985193	0.8585820	0.66/41834
Phase-1 RCT-288	0.31864136		0.5253037	0.5078079	0.44922593	_	-1	0.8314838	0.579473	0.60691106	4 004203	1,2054905	1.1024610
	2.3224986	2.2411325	1,2078261	1.2474034	1.2350786	1.3788408	1.4027918	1.3393837	0.8007377	0.9732834	1.0012033	1.031/003	1.0430442
Organic cation transporter 3	3.160039	3.1/34684	1.0403637	42/00001	1.4623074	2 5447452	2 0600655	1 5466884	1 5466884 0 85501105	0.063476 0.78210984	0 8744972	1 0753756	1 1603794
Zin England protein La	2.0040388		2 225270	2 R0065R0	9 132270	A 824339	1 4791515	1 481397		1 0158045	0.9736506	0.9737642	0.8482391
Colomordia Bo	1 0173334	1	1 0935947	1 19114		1 2257379	1 0422857	0.69687194	-	0.8420251	0.8198939	1_	0.7952318
D-1	1 6156043	4	1 6622672	1.7349473		1 9203008	1 7582985	2.068847	1.3496708	1.3387678	1.2842237	Г.	0.84621716
Phase-1 RCT-82	0.25694996	4	10	0.55762994	9	0.1824703	0,1824703 0,47980258	0.5462084	0.8068374	0.7851143	1.1521405	1.149176	1.4315958
Phase-1 RCT-115	2.020977	2,3118594		1.3932277	1.4176658	1,6658559	1.1401705	0.9295235	1.7185702	1.8859587	1.9117436	1.1308638	1.0847039
Matrin F/G	0.4180158	0.42278603	_	0.6690309	0.6657587	_	0.6086198	0.7306065	0.6968141	0.7712636	0.5990965	0.942437	0.9641721
Mutt. homologue (MLH1)	1,5023028	1.4954098	1.0671775	1,0746776	1.0790838	1.3494045	1,2551546	0.9995629	0.9444258	0.9465504	1	0.8977856	0.8047169
Phase-1 RCT-79	1,6693051	1.6680804	Ц	1.1238045	1.0110317	1.0291467	0.9545733	0.8635952	0.7979775	1.3446305		0.8818446	0.73816584
Sorbital dehydrogenase	1.6782897	4	1.0663562	0.8518618	0.88889384		1.0474149	1.063	1.6170001	0.96813965	9	1.25/1919	1.42050/4
Phase-1 RCT-24	2.949782	_1	4	1,3549063	1,1601657		0.77148485	0.6905032	1.7790699	1.5196261	1.684129	0.8724422	0.89667353
	1.0675035	1.1955545		12829136	1.316865	2.2977862	1.3673705	1.1954653	1.0488315	0.8636492	0.5545982	0.7503502	0.69/59563
	3.4633143	3.0697136	1.2317096	1.1826649	1.0801109	_		1.1562912	0.7147023	1.0007594	8181026.0	1 1051992	1.1033915
L-gulono-gamma-lactone oxidase	0.28364348	0.33684734	0.10922202	0.14101827	0.102453224	_		0.7763927	1.021/13	1.2034278	1.02/0121	0.04/2050	0.9062676
	0.38035818	0.38035816 0.4745723 0	0.69864243	0.5836725	0.56718004	_		702/2021	4 57775	4 7022047	0.70347333	0.0000333	0.6543416
C-lun	251/4065	7.0855447	7.564 1537	0.7803800	A.31445/	0.2444870	0.74091203	1 3469799	0.777773	0.91458875	1 1985865	0.80068594	1 1577319
	0.500000000	0.2700683	0.7030576	L	0.7118964	0.6817357	_	0 7314477B	_	0.9611848	0.9218638	0.9607282	0.91949284
Phase 4 PCT-242	2 502950	1 9304981	2 65577	1_	3.0169485	2 733232		1.7555054	┖	1,1232831	1.1423848	0.8579823	0.7470564
Phase-1 RCT-181	0.5210405	1	6	0.7138847	0.6847149	ľ	0.7634349	0.9006349	0.7331442	0.9260154	1,0034314	1,0114653	1.2563285
Phase-1 RCT-185	0.36510643	Ļ	<u> </u>	0.7295263	0.55735415	0.36136862	0.3755098	0.50595224	0.78128797	0.89394644	1,317733	1.1678311	1.0291506
Phase-1 RCT179	4.3181944	60	1.8037996		1.6343557	2.1989865	2.131917	1,2312531	1.012667	0.7507123	0.86261004	1.0474746	1.1483874
Phase-1 RCT-144	2.8818934		1.4190725	1,5668545	1.4747944	1.6095161	1.4690024	1.0102489	0.990858	1.0794798	1.2378452	0.9882849	1.0551181
(kB-a	3.2208064	3.		1.1730907	1.1193483		- 1	1.3540832	0.5389004	0.8379114	1.11295	1.0357397	1.2159499
Phase-1 RCT-225	4.8842797		Ш	1.8109711	2,8840844	2.2128698	- 1	0.6646972		0.88332075	_1	0.9843891	1.1548651
60S ribosomal protein L6 (alternate clone 1)	3.3378031	2.7102234	1,5689124	1.56034	1,4911461		1.8350469	1.5237614	0.55297166	0.6474777	0.80341053	1.0496186	1.1171387
Botshiballa clace i	4 5409718			1 6743562	l	1.160093	1.4484888	1.0494959	1.9022529	1.4475887	1,4667059	1.0954233	1.2269781
Multiple resistant protein.2	5 8216893	4 368329	6 537999	1	6.291526		1_	1.1497924	L.,	1.8033012	1,8033012 0,99150884		1.0964111
IMMUNICAL ICONORAIS PROVENITE	4,04,100			ì	Alex 1	1			J			ŀ	

					100000	0000000	10012000	1000000	1902770000	0.04907404		0 83010921 0	O RZ40RR44
Phase-1 RCT-49	2.9415908	1.86/29/6	1.2631235	1.3293079	4 3226047	1.0203330	1 012038	1 207995R	_	_	1.0274992		0.9436655
Calgrandin 83	7.8083000	1.7120414	0.50175223	0 5656732	0.46858114	0 40346944	1 014544	0.62512904	0.793716	١		L	1.5394293
	0.43308436	0.40614677	0.0911020	75 /00000	*1 000t								
Odemer binding amfain 1	0 6540581	0 80922015	0.8150219	0.9380221	0.7546331	0.4944946	0.61937964	0.7850298	1.5319337	1.1380426		0.94690114	0.879794
	0.00000		0 2757223	0.3455292	0.3803255	-	0.17453887		0.52326405	0.5911949	0.6085194	1.4807682	1.19271
Sodnifficial acid conditioning	1 0490714		0.883222	0.90015703	0.8670543		0.71339005	0.5766298	_	0.95775825		_	1.0790569
	O BANTSORA	0	0 88274128	0.8148604	0.8406891		0.84848306	0.52505018		0.91760117	1,2985665	1.0397905	1.2262713
Middle Complete and Charles	0.24548773		0.57613236	0 54658014	0.47960803		0.48828772	0.97111267	0.7184985	0.8051495 (0.82475644	_	1.1306636
1	0.49094513	0.6471754	0.4204458	0.46815482	0.3985326	0.17831968 0.49527818	0.49527818	+-			0.6473118	_	1.0421045
- delicination constitution	0 3744075		0 8519004	0 5300047	0 44785407	0.3818915	0.702141	0.43371373	0.77792406	0.85601765	0.77362525	1.020003] 0	0.86330205
Equinorative nuroperizynukomosme-sensuke	0.3/40/2	700034.0											
	0.74414176	0.78405887	0.8645643	0.862711	0.78651625	0.5827632	0.84285367	1,2623011	0.59050775	0.9167233	0.8255402	1.2342732	1.1687096
DOT 300	0.5907216	0.49724624	0.8955988	0.9414688	0.8759474	0.8312432	0.90136456	1.076094	1,3510139	0.94147485	1.002948	1.0557578	1.0205718
ha enductoes	0.33551210		0.46197164	0.50772923	0.38868952	0.33211142	0.4546613	0.47001243	0.6227276	1.0418127	1.0780482	_	1.2886541
NADR-Cytodifone to regulase	0 3681365	١,	0.6928623	0 63175833	0.58818907	0.4311712	0.5552758	1,7845032	1.090302	0.85398385	0.900803	0.9697427	1.2835578
Dynamir-1 (O100)	0.554248		0.24839182	0.22518674	0.21349008	0.08579785	0.8578165	0.49014518	0.55011857	1.1503042	1.0645689	1.2954389	1.0175281
Seliescelice litalise processos	0.335,220,75	0.40852574	0.5909707	0 61091536	0.58325267	0.37036335	0.7264777	0.63374525	0.6617778	0.8559978	0.7687878		1.0847486
9900	0.33728147	0.33239147	0.8897525	0.9960608	1.3405445	1,2494366	0.8531129	1.0619103	2.2481048	1.3139156	1.2890938		0.9523708
	0.44345583	0.4770473	0 37453707	0.58105524	0 21422502	0.6682967	0.6199654	0.49248978	0.6389215	0.5254379	0.4713694	_	0.94694144
	0.36450067		0.8038383	0.64608926	0.55549693	0.41263366	0.5027271	0.7918134	1.178826	0.9145267	1.022237	_1	1.0468013
	5 0101705	7 0921206	2.2908368	2.0969257	2.4150183	4.4302115	2,4644918	20182147	_	0.9361577		_	1.1263744
Diese 4 Det 444	1 2035271		1 6178365	1.6256543	2.306591	10,688544	9.382203	2.6218803	\mathbf{I}	0.89428353	0.9291087	_	1.0664074
	0 48485392		I۳	0.55099714	0.5108657	0,4459541	0.61501247	0.7895287	0.9278764	0.8953385	-	ᆜ	1.1756084
	0.76616204	0.84670347		1.1617253	1 2084104	1.8400671	1.2246238	1.0643941	1.2876842	0.8850648			0.7037036
	1 0113517	0 79946276	1 167 1096	1,1254803	1.1109164	0.98144215	1.0098945	0.9754369	1.1123513	1.459401	_	_	0.7758938
P1886-1 PC - 202	1 0440259	-	1 090186	1.0758799	1.0528091	1.080747	1,0419546	1,0289899	1.3469661	1,0086539	1.0764127	0.92307705	0.8164228
Piase-I No140	1 9269282	2 3967185	0	1 2194945	1.0760486	0,8910112	0.8471053	0.63447684	0.8294791	1.4204202	1.2752099	ᆜ	1.0953703
Direct of Dort 207	1 0528624	0.8719282		0.6400738	0.59155583	0.8183653	1.1979903	1.1778742	0.8153782	1.2093375	1.1896988	1	1.1749408
Dhone 1 DCT 281	0 A7672293	1 0360965	1.1310426	1.2709397	1.3529108	0,55136985	0.6842718	0.7918999	0.8315004	0.6547706	-	0.84724826	0.8007788
Pilase-i Tol. 201	0.4260054	0 32464868	0.67236423	0.6810238	0.6739513	0.41537178	0.85198647	12572738	0.6009221	0.9178585	1.162602	1.3141176	1.2998526
ATD ALL JOSE ALL CONTROL CONTROL	0.7205475	+-	_	1.0496973	0.918385	0.715552	1.165089	0.711846	0.85964054	0.94888055	0.9354007	1.1258221	0.95464176
At P-sumulated globocal actions ecopolic transferation anomater (GW)	25.0		<u> </u>										
Phase-1 RCT-60	2.0506294	1.7520926	1.1891692	1.0793545	1.1034968	1.2357916	1.1804015	0.97060853	1,1150306	1.0418637	1.0674859	0.9338106	1.0102227
Dimensio kingen miseria	2 452139	L	1.1102097	0.97605276	1.164582	5.7231703	3.6357646	2.5874655	1.3910917	1.1413805		1.0970548	1,004,7013
PAR interaction undelin	1,8047488	L	1,3036879	1.372397	1.3069781	1.5500888	1,3725723	0.9911812	0.9768099	1.1122458	→	0.89874005	0.9360948
Nucleoside diphosphate kinase beta isoform	├	<u>L</u>	1.6010534	1.6418049	1.6392882	1.6041514	1.6804731	1.4666766	0.8383544	0.9545265	1.1035591	0.9072705	0.6807867
	-	_1				0.0000	11000	4 00000407	4 7004 493	4 CEDESAR	4 22RAEEA	0.81670105	0 7948633
Gadd153	3.9715643			3,7394226	3.718889	2.250/09	2.37844	1,2303131	0.070361	75840847	-	1 0095598	0 9242203
Insulin-like growth factor binding protein 1	4.09912	4	1.5428//1	0000001	1/16/.1	8.5/USUS	4 7200044	4.41.00100	2 1570125	1 025286	0.9479259	0.9440107	0,9597198
c-H-ras	1.5157272	-	_	1.906223	1,000000	1.333267	0.0407466	CENSOR O	0 8782148	0 82463507	0 7890428	1=	0.97988135
N-hydroxy-2-acetylaminofluorene entfetraneferace (ST1C1)	0.2415767	0.42311034	0.48472396	0.41975585	0.32224974	0.18//2453	0.01%(10.0	0.36300414	0.0702140	10001700			
Phase-1 RCT-52	0.49621877	0.53748256	0.48576978	0.44423056	0.33581656	0.36131418	0.48837078	0.38315743	0.8054461		1.1368771	_	0.97843244
Archa 1 - Inhibitor III	0.2710247	0.22687924	0.30981296	0.28099455	0.17643473	0.23649451	0.21744502	0.15694468	0.8074134	-	0.97129166	0.7824219	1,3584509
Sterol carrier protein 2	0.6170321	0.51784474	0.65366465	0.7042097	0.629667	0.26534784		0.7418939	0.65821597	0.8491805	-	1.114916/	1.3220038
Organic anion transporter 3	0.6113555		0.61303824	0.68054446	0.80277354	0.4978685		0.78248984	0.8157177	1.4590472	-+-	0.55388550	1.0/04307
Calorandin B4	0.35116485	0.3579352	0.52736338	0.46468137	0.41998294	0.34921226	0.6440124	0.5590386		0.9678887	1.165/13/	1.0/45115	1.0002277
Phase-1 RCT-182	0.32199267		0.47314376	0.5696933	0.47023726	0.1998336		0.9002813	_	1.0262095	1.1//604	12/3003	1.3050400
Calgranulin B8	0.38362607	0.4919345		0.6249982	0.5915746	0.16823576		0.46456155		_	1.039029	1.11/590/	1.2860189
Aldehyde dehydrogenase, microsomal	0.38631922	0.4810944	0.7647163	0.7006017	0.6312822	0.38491407	0.71312994	0.6943056		-	0.0344/030	1.130227	4 4730848
Phase-1 RCT-128	0.26315305			0.4105176	0.41240856	0.12872088	0.2610953	2.5368717	0.43235102 0.67263407		0.70519714	1.00/2003	0.6427745
Phase-1 RCT-102	0.24700879			0.2477862	0.16980486	0,51526153	0.43225986	0.4360/616	- 12		4 9445570	1 160871	1 24R5R32
Preproalbumin, sequence 2	0.31837934	0.2958798	4	0.52091148	0.4169135	0.2313244	0.4246894	1,442633			10	0 71351707	0 7923804
Apolipoprotein All	0.13407543		4	0.37077388	0.23623/48	0.32083398	0.5039904	4 4544052	_1_		_	1 2155375	1.317091
Phase-1 RCT-10	0.3813908/	4 0.225053/5	0.60537436	0.0212820	0.47569972	0.8411301	1 1232914	0.6541692		1.1769172	1.407454	1.1981609	1,2058337
Phase-1 RC1-48	0.9030000	0 3048646		0.02104020	0.42729968	0.27155992	0.27155992 0.46735775	1.5813137	0.5208392	0.96162677	1,3363092	1.3469791	1,3389218
Phase-1 RC1-6	U.SUOGULI O	0,00400			V. 7								

											100001000) Constant	4 0444204
Phase-1 RCT-168	0.48322743	0.47028422	0.5985751	0.54473907	0.49088004	0.48476455	0.7845792	0.7486263	0.6622268	0.90822583	1.85249686	1 1408282	4 57649
	0.4308733	0.26471233	0.6943669	0.72295177	0.7016216	0.3865/81/	0.77914315	0.002500	1.1.34/01	4 9498937	0.88728513	1 8447220	1 7765839
ese	0.3427218	0.27813858	0.7182424	0.7319556	0.63899493	0.98074234	1.4417928	1.1218931	0.55121803	15	0.00220010	14171555	1.3164165
	0.19879417	0.3182876	0.2677555	0.23157519	0.21598244			0.25093556	0.0/00/40	7701007	4 4034064	1 81915	1 2088467
	0.07362342	0.03951674	0.11952618	0.27094576	0.070245214	-	ত্র :	0.048456877	0.8450672	1.392/323	4 4669005	4 267/105	1 114801B
	0.45855042	0.46804678	0.61757505	0.62519974	0.62051415		0.6811923	_	0.7011222	9,027500	1 006087	1 2727425	1 8314855
sequence 2	0.29977995	0.12716717	0.46176437	0.44901344	0,43250718	-	0.65318507	0.48052373	4 0588828	0.037.3320	1 2721122	0 89740108	1.138257
	0.83669823	0.8164485	0.4656967	0.4626961	0.40870056	0.26051885	0.3692878	0.50190037	2 1252548	1 6807578	1.32387	1.028491	1.0779593
HMG-CoA synthase, mitochondrial	0.2546302	0.36859754	0.43802586	0.51363/84	0.030474	0.2037/147	0.0400925	2 2782378	0.76254016	-	0.95490074	1.0298295	1.2210543
Phase-1 RCT-189	0.5598978	0.4924721	0.77839130	0.74000037	0.7230403	0.9204360	0.8891092	0.599652	0.63853544	1_	0.91032434	1,2691872	1.2122601
Phase-1 RCT-40	0.8049822	0.6796528	0.7420039	0.74080237	0.02030200	0.40324202	4 4422072	0 74711007	0 34327504	8	0.39449674	0.9639291	0.9285457
n 2 precursor	0.2333333	0.7004.7064	0.4032200	0.45000000	0.38382275	0 20130494	0.3522886	0.45439208	0.4821432	0.7346454	1.0368867	1,3232759	12379159
	0.30560345		0.39230007	0.334047	0.300002456	0 41646285	0.80791737	0.3609023	0.4096504	0.4787793	0.46761113	1,2681334	1.0337187
old binding protein	0.33822333	0.248430/0	0.0010027	0.354004	0.47084368	0.22140805	0 18214242	0.13564804	0.8089537	0.8676883	0.9933186	0.79528916	1,3551136
	0.31461614	0.23960613	0.30107130	0.45775009	0.17091300	0.4075/013	0.4667193	0.50358828	٠.	0,80312103	0.5920125	0.8991927	1.0735395
	0.41505983	0.05387304	0.41110337	0.45170995	0.45804324	0 7376154	0 92222667	1.4590384		1,0789379	1.0980442	1.1378872	1.1807256
-270	0.2440665	0.037.33203	0.30010104	D 4424237	0.36734	0 19025129	0.30394447	0.73342437		0.70376873	0.7350139	1.0183108	0.9509039
	0.2011030	0.13101010	0.45062200	0 32470988	0.37400135	0.2268487	0 28302503		_	0.75038385	0.9322158	0.90320754	1.1485763
Hepatic lipase	0.23367423	0.30343636	0.33302503	0.40054855	0.41832458	0.24187806		0.34322667	0.6268108	0.8128526	0.68192244	_	0.88651913
Cytochrome P430 11A1	0 55608748	0.5537707	0 7701113	0.8511128	0.74137497	0.62146026	0.92686343	1.0102112	1.0096276 0.67316854	0.67316854	0.8374236	1,2383679	1.275675
Priese T KCI-1/3	0.3007174	0 33343822	0 7746869	0.8133801	0.7481362	0.9192369	1.1283714	1.0358288	0.877008	_	0.80010456	1.8276275	1.5523903
Prizse-1 RCI-117	0.434687	0.3112053	0.53072906	0.43801215	0.4262447	0.6077146	1.0373673	0.80314773	0.7138952	0.66588855	0.8337359	1.1094037	1.2695209
PIRSO-I RCI-13/	2 3384204	9 057661B	1 5299679	1.5107981	1 3708565	3.208101	2.3447323	1.5201687	1.472059	1.245471	1.2441281	1.0607845	3,88269186
Meianoma-associated attrigent with a l	2 8042422	9.76KOK68	1 3748502	1 5280583	1 4395126	1.0252221	1.1662628	1.0778875	1.5037912	1.2523003	1.2832004	0.99590397	1.0418619
Present Activity	2 9660603	2 2573447	1 73(0591	1 8679004	1.6254013	1.952817	1.7218956	1.2152582	0.65081667	0.6882049	0.7017215	1.0821545	1.0314994
Prase-1 RCI-152	3.0003033	2 5851805	2 5322504	2 5469873	2.3486543	1.8583727	1,726598	1.2884848	1.2783489	1,6396852	1.4714069	0.8954953	1.366843
14-3-3 Zeta	A 20484864	0.20051483	0.3366537	0.32730618	0.30738088	0.097233094	0.13247661	0.6114898	0.6609864	_	0.81165284	1.7424043	1.8823131
Cyrocironne P430 2023	2 6815648	1 045779	1 7784998	1 7093782	1.5794578	1.7463839	1.7317485	1.4193774	0.70915025	0.9803652	0.9322419	1.0999447	1.0770676
אמושלפ-תפחפות שוטון כוציוונים ד (אמיכיד)												-	000000
Dhaca-1 RCT-154	2.6354098	2,5956717	3.5815625	3,7613585	3,2897666	2.6428416	2.0896	1.5649588	1.1884358	1.0230782	0.89015925	1.0732797	0.86538476
Commide diemetree Mn		3 3345268	3.1344278	3,0455792	3.6470962	28.04024	7.832339	2.394923	0.7550042	1.2154483	-+	1.2815182	3424033
O-Company	2.5362456	1.9832413	1.4373343	1.4835546	1.8225677	1.8932587	1,1154914	0.86509067	1,5931368	1.427438	-	0.76652443	0.7922169
Phase-1 RCT-198	1.4655389	12985523	1.1983247	1,1531159	1.1065524	1.6233163	1.1145549	0.91818833		0.91121876	0.8652558	-	0.00100.0
Cyclin G	5.3807287	3.834693	14,440478	13.8836155	11.29882	4.8585463	2.08717	1.4569163	0.89508456	1.5431851	287/0071		0.0000000
Calorandin B5	2.6286464	2.6484523	1.2770365	1.3416979	1.3896704	1.021275	0.9608669	0.7851958		0.91616/5	1.1210262	4 0000000	0.0453037
053	1.5792546	1.3919713	1.5384244	1.6138364	1.4117432	1.5930196	1.5543827	1.0921013	9	0.9424017	402023304	4 0.00000	4 0365748
Phase-1 RCT-205	2.1216888	1.7425519	1.3302377	1.1805426	1,1610519	10.008086	1.9198421	1,161093	1.0156336	1.0791304	1 2220484	0.007000	0 9822824
Phase-1 RCT-68	2,1566505	1,4050556	1.485298	1.418502	1.3690349	1.7326883	1.5665108	1.2695843	1.0835787	1.3284403	0 84477446	0.0368803	O ROS1443
Caspase 3	1.350518	1.1343979	4.1088543	2.7833862	3.7766037	1.9821382	0.98035/4/	1.014120	4 4520204		1 11/3557	4 07777402	1 29255
Alpha-tubulin	2.076884	3.323692	1.594434	1,3947666	1.1243976	1.1851568	1.3744359	0.7169515	1.4530734		O SERRORZ	0 7977811	0 9529903
Ribosomal protein L13A	2.8906465	3.3036292	1.8384963	1.690393	1.6658877	3.598/56	2,4813232	1.031/091	0.4004343		+	0 93605834	0.83341223
IgE binding protekn	4.228803	4	1.4950185	1.5629817	2.0334957	3.794430	2.3900204	0.0000494	0.01208333	4 080524B	110	0.8594564	0.61787903
Phase-1 RCT-39	2.2124736	1.7496692	1.8224922	1.6815362	7.8010807	1,004020	4.4477775	4 5704007	4 M327508	0 9331037	1 1904187	1.3170716	1.3227882
Cofflin	1,6249001	1.6070769	1.5602291	1.6471423	1,5390139	1,60/04/0	4 4 1 6 0 5 0 6	9 8404248	0.89527	1 0452855	0.8398532	1,1155461	0.9021917
Heme oxygenase	3.1921563	21816916	1	70016471	1.1900173	4 4440043	2 48 15652	1 755722	1.0405406	1.0550077	1.03653	0.9131725	0.73249257
Phase-1 RCT-241	1.8536006	1.1864/19	1.69/3/39	1.0045053	1.5321304	2 6873530	2 3430028	1 6080464	13778001	0.88765526	1.0526292	1.3150295	1.2541131
Ribosomal protein S9	2.353816	24559047	1.3804723	1.2748027	1.2205176	4 4505545	4 5301624	1 030154	1 0290152	1.0485544	1.0507412	1.0062046	0.96540904
Phase-1 RCT-258	1.2575247	1.1695/66	1.2801/01	4 2040709	1.1700770	2 1828104	1 2985101	3 543073	1.0882454	1.0053443	0.90850055	1.0456018	1.256429
Arginiosuccinate lyase	1,000,000	1.7023230	1 3000335	1 3392003	1.3589823	1 3504307	1,0581591	1.2047818	1.4875165	1.1603202	1.360334	1.3672848	1.2404883
Priase-i RCI-180	A 87218	1	6 194462	4.565507	6.861969	6.61696	1.8740501	1.2183996	1,2398545	1.5903449	1.3299587	1.1135201	1.0973839
Multiplier description	2 6702077	1 7F0R312	3.36143	3 1633654	3 3053238	2.5982585	1,7417487	0.9407112	3.1134968	1.7955642	1.6929964	1,0591656	1.3108741
The marie heart 40	2 7427R	3 1536043	1 6251298	17323841	1.5989083	3,9025621	2.8668551	1,6888744	0.9093212	0.6490445	0.5560981	0.8620089	0.91497606
Dhace-1 RCT-72	2 8982408	2.14235	1,499445	1.5753512	1.3181504	1,5916523	1.1150602	1,5056164	0.8569255	1.3034598	1.0624208	0.8173763	0.72373708
Phase-1 RCT-109	2.4580665	2.476058	1.5446198	1.5333225	1.4501681	2.0901756	1,6830128	1.4481655	0.5411397	0.65381515	0.46835658	0.8863/25/	1.0253507
Phase-1 RCT-76	0.9527118	1.1083697	1.150923	1.3099422	1,3369675	1.0562172	0.87288725	0.87323093	0.7693723	0.66288054	0.8012361	1 0567703	4 2060816
Vacuole membrane protein 1	1.6187884	1.0717652	1.4340048	1.341724	1.5388853	1.4591691	0.7557339	0.8957753	0.9717073	0.090/044	0.7322903	1,00011000,1	1,0000010

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	1040040	1 0624656	4 132RB24	1 0347681	1.2588831	1.8789947	1.4833646	1.1527283	1.7211432	_ 1.		_	4 0026842
Phase-1 RCT-158	1.040040	100	1	4.740674	1 0025214	9 0077338	1 8078903	1,5203625	1.297646	0.9131623	1.0282105	177777	1.00200.1
Phase-1 RCT-113	1 2205982	1.0695174	1.581/869	1.00011	4 8 4 8 5 8 8	2 R406678	1 2753332	2.88493	1.0718268	1,2168823	0.88884884	1.0623314 0.90169543	0.90169543
Endogenous retroviral sequence, 6' and 3'	2,5319226	4.017355	1.1651069	1.4002427	1.0	20000							
, <u>e</u>					10001000	4 544799	2 5038154	1 9381854	1.7933574	1.2144873	1.0650387 0.90652514	3.90652514	1.4832731
Bata actin	1,9375596	3.9194362	3.757428	3.3873239	3.3310684	4.3417.30	4 4600056	1 0036343	2 4295921	1.3433158	1.2759155 0.93673897	0.93673897	0.953924
Dhase 1 RCT-85	1.872127	1.6192725	1.8160166	1,5001667	2.1914096	1.34328/	1.1090935	75587000	5.089075	2 5492735	2,0857809	1.2771666	1,305546
MHC dass antigen RT1 A1(f) alpha-chain	2.4207473	2,800605	2.5108418	2.2420886	2.593595	2.2823302	1.3000013	1 076079B	2 721402	12327665	1.1441972	1.1441972 0.85434824 0.84231305	0.84231305
Bay (alpha)	2,1037614	2,1600115	2,8567157	2.5559995	3.241328	1.802/922	4 24 69 25	4 4286R34	1 9037108	1.2623004	1.180303	0.9139171 0.86222825	0.86222825
Carbony reductase	1.922179	1.7614437	1.3840626	1.5300332	1.3416/25	1.730/02/	2 450201	1 201584	0.6688491	0 8688491 0.74915314	0.7070718	1.0445542	1.1499203
Boto-ordin semiance 2	1,5304341	1.8797337	ł	1.9562889	1.5818180	710007	4 0000455	2 2455423	2 1805685	1 2550635	1.0675422	0.77771851	0.7771851 0.76218516
Interiority-10	1,1165432	1.171089		1.2983403	1.4862773	190576.1	1.020103	0.00047456	2 8661225	1 1314224	1 2840335	0.8811861	1.0745221
Chares 4 PCT_191	1,2354523	1.5771224		1.6863945	1.4465715	1.43/048/	1.0701070	O. SOCIETA	0 7743593	0 7833566	0.9256437	1.0512552	1,1431639
Chase 4 DCT-114	1,1047789	•		1.358691	1.3700262	1.0850/06	1.1592472		0 67514163	0 6020088	0.6674851	1.0198705	1.0198705 0.98541415
Assetosis remigiliar hasic motein	0.55342865		0.7246956	0.75042593	0.54204655	0.6725213	1.1333330		0.46461016	0.8904069	1.183576	1.347926	1.3793387
Clidathing nemytrase	0.4441557	0.34232798	0.34232798 0.60636234	0.6860433	0.6253496	0.28492303	28492563 0.3093630	0.0055004	4 5724025	1 4480371	1,1696519	0.9199755	0.8521722
Phase-1 RCT-239	0.46239427	0.61598986	0.46239427 0.61598986 0.66043293	0.74368453	0.7570936	0.5096839	0.5096839 0.76007478	0.000333		0.9750452	1.0139817	0.8091804	0.8191062
Chase 1 RCT-87	0.768809	0.8673614	0.8673614 0.7230883	0.75138167	0.7334131	0.8893773	0.8893773 0.6310730	0.7549672		0.9413165	1.100885	1.0112472	1,1658609
Tombohan humandase	0.7546627	0.66545564	o	0.85323805	0.76206905	0.32/3309	0.00300	0.79CO9E43	4 4016854	1 5070183	1.1613939	1.1787408	1.0753984
Sulfotransferase K2	0.6974299	0.6974299 0.91740453	0.865697	0.68342286	0.78854628	0.4250826	0.4250828 0.3635330	0.1002000	1 2145693	1~	0.9707061	1.0487099	1.1054362
Calcaradin 89	0.89855856		0.8128268 0.73773164	0.8336886	0.76401385		0.13034637	1 0439477	1 1608523		1,1186714	0.997732	1.0705374
Phase-1 RCT-123	0.81917465	I	0.7673098 0.84864426	0.8801969	0.8450431	0.0232431	0.3110018	0 84193736		1.1189687	1.1952974	1.0280446	1
Phase-1 RCT-98	0.6931912	0.74230268	0.6931912 0.74230266 0.8828438	0.93/1591	0.68090413	0.0020004 0.0024406 0.0024440	0 7000417	0 02038816		1,0940747	1.201368	1.0419025	- 1
Amanorin-3 (AQP3)	0.7240415	0.7508554	0.7508554 0.78864014		0.9758925 0.8251946 0.74654129 0.75524117	0./4634120	0.08478937	0 14757723		1.0629214	1.2668275	1.2668275 0.18815815	- 1
Steary-CoA desaturase, liver	0.08015517				0.022953440	0.003146320	0 2217269 0 42757695	0.5703796	1,4086087	1.0835489	1.1439629	1.0760943	0.9760915
Phase-1 RCT-64	0.6514277	0.7867824	0.6834237	0.69294816	0,69224816 0.6223465	0.3011300	2077		1				
(1) Gene expression data for 24 hour													
tmepoint are presented as mean ratio of													
treatment/control for all 24 hour predictive													
genes (Table 5).													
(2) Compound and dose abbreviations as in		_											
Table 1.													
(3) Individual animal number													
(4) Liver inflammation classification for													
compound-dose group at 72 h: yes-necr,	_												
necrosis observed; yes-both, necrosis with													
inflammation observed; no, no histopautology	2												
(m) Condition was fee in Table 5 and 36													
(5) Predictive gene (as in Table 5 and as													
IRANGEO III I and 201													

NAL 45 NAL 190 NAL 1					-	
MAL 45 MAL 160 MAL 1	Se polyage	B SO PRARB 80	PBARB 80 PBARB 80	PHEN 20		PHEN 20
Table Tabl	NAL 180 NAL 180 PBARB 20 FEATURE 20	9	3	1324	1325	1326
0.7108213 1.2212256 1.0807403 1.086423 1.0820708 1.0540012 0.88110995 0.8821633 0.8821631 0.8821621 1.082082 1.08108252 1.146622 1.1422322 1.146622 1.1220825 1.08108252 1.146622 1.1422322 1.0808222 1.0810825 1.0810825 1.08108	ou ou ou ou	2	01	2	2	
0.7/108713 1.22/12266 1.0807402 1.0680427 1.06804762 1.0680910 0.6621631 0.88276226 1.0807402 1.0160902						
1776251 1.272561 1.0161695 1.0352557 1.146050	1 0540012	110965 1.2515458	1.1673238 1.2074906)	0.78108335	0.852407
0.862/1591 0.862/1592 0.8	1.080/403 1.086423 1.0830100 1.85502	_	1	_	4	1.1056138
1,171/242 1,177/242 1,177/242 1,177/242 1,177/242 1,177/24 1,17	1.099.002 1.0000547 1.009.062	-	_1		1.490055	1.1169220
Observed Comment Com	13172523 1.8338281 1.0189993 0.9527652	긔	1.1098872	_	4	1 0857185
0.8586221 0.875622 1.2791696 1.0585351 1.0585351 1.0517827 0.8158627 1.0517827 0.8158627 1.0517827 0.8157827 1.0517827 0.8157827 1.052785 1.05285351 0.8157827 0.8157827 1.052785 1.05285351 0.8157827 0.8157827 0.8157827 0.8157827 1.0528523 0.8157827 0.815	0 9383588 1 1832144 0.86441416 1.2462257		1.4042194	1	4	1 1103848
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0.85160947 0.83177507 0.9480098 0.94860176 0.8504859 1.02037951	0.923899 1.0868127 0.94714254 1.2715927	_	1.3701577 1.3343927	ľ	┺	1,1229446
1,4002106 1,2793714 1,0006748 1,1205625 1,039961 1,1652716 1,0516191 1,05161819 1,05161819 1,05161819 1,05161819 1,05161819 1,05161819 1,05261819 0,05261819 1,05261819 0,05261819 1,05261819 0,05261819 1,05261819 0,05261819 1,05261819 0,05261819 1,05261819 0,05261819 1,05261819 0,05261819 1,05261819 0,05261819 1,05261819 0,05261819 0,05261819 1,05261819 0,05261829 0,05261829	7 0.9490099 0.97460175 0.9504951 1.0203738		`	9	1	0.64715904
0.7525819 0.66946596 0.7225819 0.7824619 0.7824619 0.8846599 0.7824619 0.7824619 0.884659176 0.884659176 0.884659176 0.884659176 0.884651716 0.884651716 0.884651716 0.884651716 0.884651716 0.884651716 0.884651716 0.884651716 0.884651716 0.884657176 0.884667176 0.884667176 0.884667176 0.884667176 0.884667176 0.884667176 0.884667176 0.884667176 0.884667176 0.884667176 0.884667176 0.884667176 0.884667176 0.884667176 0.884667176 0.88467176 0.88466776 0.88466776 0.88466776 0.88466776 0.884667776 0.88466776 0.88466776 0.88466776	1.0006748 1.1205522 1.0398961 1.1692197	4	0.83568090		1,3232738	1.1323462
11643722 13246861 0.0612571 0.0612571 0.0612571 0.0612571 0.0612571 0.0612571 0.0612571 0.0612571 0.0612571 0.0612671 0.071257 0.07127	0,7626103 0.7830151 0.9364659 0.8551621 0	1636634 0.0007 3UZ	2 888448	Ľ	1.0121413	0.741668
1,002/1028 0,721/13/15/15 0,728/15/15 0,728/15/15 0,728/15/15/15/15/15/15/15/15/15/15/15/15/15/	0.9612571 1.0410718 1.2950145 1.8832116	┸	0.8313782	0.93293005	0.81962746	0.86900437
April	0.78347694 0.7701473 0.9529178 0.8063519		1.1868943		0.9149398 (0.96945643
1,0216486 0,9783675 0,7880438 1,0475427 1,0415470 0,031512444 1,0078329 0,04521717 1,0474527 0,0315126160 0,04521264 0,7780 0,0412244 0,0472244 1,047427 0,0474276 0,0472344 0,0474276 0,047244 0,0474276 0,0474246 0,047444 0,047444 1,04744	0.7368617 0.7838625 0.9370301 1.120239	L	Ļ		_	1.1179197
0.57572454 1.00778250 0.855710257 1.04778270 0.855710257 0.530300042 0.520320042 0.52032042 0.52032040 0.52032040 0.52032040 0.5203204 0.5203204 0.5203767 0.6203777 0.5503777 0.5503777 0.5503777 0.5503777 0.5503777 0.5503777 0.5503777 0.5503777 0.5503777 0.5503777 0.5503777 0.5503777 0.5503777 0.5503777 0.5503777 0.5503777 0.5503777 0.5503777 0.55037777 0.55037777 0.55037777 0.55037	0.7860438 1.0873249 1.0513394 1.1523150	1_	┖	Ш		0.3152069
0.02030042 1.514209 0.35815171 1.0473201 1.032046 1.1514209 1.032046 1.103204 0.20152075	0.865/1026 1.3050816 U.B.1.30160 U.G.212307	┺	┖	Ц	0.91457117	1.684735
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1,087/08 1,474/097 1,556/093 1,100027 1,275/092 1,00025/09	4 224 706 4 2274046 1 0943716 1 1314616	L	1,1375151	-	1.2485/78	1.2/8/07
1,2051401 1,405010 1,7050211 1,505030 1,1305693 1,516392 1,2025694 1,0051014 1,0051014 1,0051014 1,0051017 1,00510	4 E44 E08 1 7307858 1 1140827 1.2764859	1839733 1.2112213	1.2770068		0.838/4524	0.736/608
0.857903161 0.045246 1.0421536 1.0330344 1.0422314 1.0422314 1.042103 0.87903916 0.844877 1.0021033 1.066868 1.0021033 1.00210	1 548892 1.7556303 1.1305933 1.3516392		1.30657	44 0.8080639	0.003/120	0.05433594
O. 0. 0. 0. 0. 0. 0. 0. 0. 0. 0. 0. 0. 0.	0.9778501 0.945248 1.0421536 1.0330644	8	1.001199 0.3839848	4	0.9841782	0.95501
Control Cont	1.0021083 1.066885 1.0900848 1.0422914	١.	COCOGCGOOO	1	┺	1,5952716
Se-I RCT-15 0.61907861 1.0326916 1.0326916 1.0326916 0.2007861 1.0326916 0.2619016 0.2007861 1.0326916 0.2619016 0.2007861 1.0326916 0.2019016 0.2007861 1.0326916 0.2007861	1.0058315 0.8770729 0.88442016	┸	1 0319965	Ļ	\Box	0.775857
Colision Colision	1.0664116 0.9077645 1.203757 0.9554555	1	0,8878795	_		1,2726191
0.05193816 0.93821604 0.98883805 0.0888391 0.0889391 0.0899391 0.0	1,2203585 1,052/365 1,204-34		0.95521206	-	0.99811125	1.3342508
0.7677416 0.8369504 1.1354213 0.8665304 1.1354213 0.7777416 0.8369506 1.9072831 1.2071661 1.2072831 1.1354231 1.1354234 1.1354	4.4.4.004.4 0.08878.38 0.895186	-	1.0631588	9	0.6962265	0.70523834
0.75774115 0.8556429 0.8556421 0.8	1.01/8331 1.4440344 0.5000 0.0000 0.8865304	1354213 0.9342175	1.0339369]	-1	1.04/8//0
1,2071091 1,502,200 1,50	4 0072034 1 2021159 1 242558 1.183549	1266214 1.2141869	1.2774308	4	4 550404278	9 3757R03
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oxidase 1,1394942 0,7283352 0,551672 0,5415166 1,028571 1,0257169 1,103261 1,0516772 1,0075357 0,73937206 0,70372766 0,7237466 1,2254769 1,002567 1,007537 0,7393742 1,1028597 0,848866 0,888866 0,888866 0,888866 0,888866 0,8888666 0,8888666 0,8888666 0,8888666 0,8888666 0,8888666 0,8888666 0,8888666 0,88886666 0,88886666 0,88886666 0,888866	1.4105369 1.3935632 0.99337333 1.1777081	≖L	1.1330620	٠.	Ľ	1.5688523
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1,304,294 1,304,295 0,84841377 0,73907214 0,8049483 1,0659615 1,0853851 0,8654176 0,86841377 0,73907214 0,8049483 1,0659615 1,0853851 0,86544176 0,8684767 0,28875077 1,0862118 0,89481875 0,28842144 1,1580844 1,7714486 1,1378547 1,1198323 1,2941346 1,0903168 1,304686 0 0,6649568 0,8526075 0,56117284 2,0515895 1,1320049 1,3383762 1,15196 1,403989 1,4246857 1,6782861 1,1006337 1,1304826	4 0207879 0 02048306 1 1221112 0.9651248	Ш	1,0416886	4	6 1.503/683	0.09/0113
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0.08684767 0.086777 1.0962118 0.08481875 0.08684714 1.1800844 1.1800844 1.1800844 1.1800844 1.180084 1.1378547 1.1198332 1.2941346 1.0903186 1.304086 0.08649586 0.0852075 0.08649589 1.4030089 1.4248587 1.177864 1.1000837 1.130049 1.130462	0.8049483 1.0659615 1.0935851 0.86341476	4	1.1633886	105 0.097 7.2407	-	0.9189215
1.7714186 1.1378547 1.1198332 1.2541346 1.0903186 1.304666 0.0649586 1.3204049 1.3363762 0.6849586 0.6849586 1.4039889 1.4246567 1.6782861 1.106337 1.1304626	7 1.0962118 0.99481875 0.98842144 1.1580844	_	1.2841011	1_	_	0.63788104
0.6649596 0.8528075 0.56117284 2.0515995 1.1320049 1.3363762 1.18196 1.4039899 1.4246567 1.6762861 1.1006337 1.1304626	7 1,1198332 1,2941346 1,0903168 1,304686	4	1	- 1	_	0.89682466
1.18196 1.4039899 1.4246587 1.6792861 1.1006337 1.1304626	0.56117284 2.0515995 1.1320049 1.3363762	4	1 224785	189 1.3681743	3 1.1811236	1.4821235
A STANDOOM A STANDOOM A STANDOOM	1.4246587 1.6792861 1.1006337 1.1304626	1.15935245	201	_1		70702700
4 0404442 4 5489843 1 3095841 1.3349802 1.4159864 1.0149590	1 3095841 1,3349802 1,4159864 1,8414356	Ш	1.6184801	763 1,7295218	1.5022422	1 4611691
1 4473153 1 4696288 1.0388944	1 4696288 1,0388944 0,91876733 1,6348426	1.1275113 1.3007311	11,55555781 1,4049064	_	Taraca Co	

							1000000000	1000000	leasosee o	0 8774705	0.8690094	0.80840371	0.91829836
Phase-1 RCT-49	0.7945655	0.8209793	0.86582243	0.8512035	0.8798802		4.404.3004	0.907.903	1 2547021	1 1586827	1 2132711		1,3416873
Calorantin B3	0.8655031	1.1343602	1.1624696	1.1199952	1.1146247	1.2154524	1.104/234	1.00/1343	1.00000	4667949	002707000	0.875198	0 9682981
NADP-dependent Isocitrate dehydrogenase,	1.3686329	0.86421037	0.8876584	1.3459216	1.0799074	0.9925583	1.0859435	1.0239087	1.0402/34	7167601.1	0.361		
cytosolic		0000000	0.0503644	0.07350818	0 0810686	0 R759034	0 76401305	0.8513713	0.8147221	0.77693635	1.047764	1.2453977	1.3867161
Octamer binding protein 1	0.9108757	0.80483123	4 5500504	4 5445405	4 3748724	1 8056002	16194117	2.870911	2.8062227	2,7565486	0.69262576	0.7428868	1.11165
Sodium/bile acld cotransporter	1,4284//3	1.20002.1	1.050,3033	1 1514283	1 1708428	1 2375371	12164784	1.0908173	1.3211828	-	1.2176064	1.3816337	1.2487998
Phase-1 RCI-174	1.22 1037	1.51.34900	1 463384	1 2127.044	1 2669821	1.2487524	1.2417465	1.1325608	1.3770509	1.1484904	1.1920491	1.2808558	1.1853358
Phase-1 RCI-77	1.330451	4 2400988	4 0083444	0 98530257	1.5	0.58406854	0.84409505	0.5788525	0.5647147	0.59357	0.55623627	0.6031051	0.6290201
Inostiol polyphosphate multikinase (ipmix)4	1.05/1130	1.3102380	1 0323867	0.9282251	-	0.9911421	0.9833454	0.912678	0	_	_	1.0892417	1.1783612
Phase-1 RCI-256	A 0.47500A	0.40804417	1 0008784	0 9443255	1.0007473	1.0175515	0.7905172	0.95177394	0.8269258	0.9012228	0.60462654	0.56932398	0.6594676
Equilorative narobertzymomosme-sensuve	0.0473304	0.43031111	2000								2,000,00	0000000	0 05642245
COVA00	1 3001322	1.3908846	1 2532539	1.1785231	1.1436412	1.0546213	1.1429906	1.0115435	1.052943	1.1110393	0.9423316		0.0042643
DENSO 1 PCT 200	1.1153713	1.0340562	0.9224572	0.97728014	1.0195841	0.92973983	0.91059315	0.8969684	0.8804399	0.8966452	0.8920538	-	0.9271503
NADE Adochoma he reductase	1,7209028	20180998	1.2816445	1.8752973	1.6263285	1.3397765	1.076803	1.0737691	1.3701471		0.8248776	0.8000133	4 6702322
Descript Office	1 1938505	0.9103717	0.87365997	0.8466398	0.9340932	0.84770167	0.8321644	0.91275084	0.97166336	_	0.98530044	-	0.00550475
Sonocoonce marker amtein,30	1.4554753	1.1735932	0.9330271	1,3021819	1.058491	0.7967488	0.7544165	0.46010378	0.4704822	0.6828343	-		0.000000
Phase-1 RCT-89	1.2382659	12584554	1.1479499	0.9689952	1.1533846	1.1540354	1.0218977	0.9166272	0.90109336	10.0010349	4 4405747	_	1 165801
Carnitine palmitori-CoA transferase	1.0006091	0.9731419	1.3370123	1.0316602	0.925545	0.90541774	0.82263494	1.0245651	0.7816231	0.00703034	0 7064777	_	0.89495873
Alaha-2-microalobulin	1.1346719	0.57438385	0.8877837	0.9760137	0.9049048	1.3402883	0.4558147	0.6303273		0.39070154	0.0043084	-	0 8716801
Andiometric CIII	1,1350039	1.2161075	_	1.2730893	0.8883828	0.77721107	0.7250334	0.8009769	0.75723004	1.09940493	4 0469055	4 4242740	4 0858508
Catheosin sentence 2	1,013816	L	1.196563	1.2324036	1.2727754	1.5825039	1.3666398	1.2709851	1,5/36304	1.0020203	4 070769	4 202400B	1 1601645
Phase-1 RCT-141	0.85472214	1.1027671	1.301691	1.4817994	1.0427979	0.9971474	1.0026091	1.1576259	12/89314	1.0820404	0 7545594	0 7324676	0 8651524
Phase-1 RCT-289	1,1878736	L	_	0.97789705	1.3682618	1.1668918	1.173028	1.2451423	1.3/81/16	1.3400923	4 0500000	4 084808	0.0523697
Footbello-1	0.7743734	0.75875664	0.82236207	1.0620162	0.9166723	0.80650934	0.9335887	0.9452087	1.103/155	1,001/1940	2000001	4 4757903	1 0430749
Phase-1 RCT-282	0.7181182	L	_	0.88758045	0.8727978	0.8863042	0.97701305		0.90428644	0.971/0944	1.0400020	1 6060744	1 245947B
Dhaea-1 RCT-140	0.74846727	0.8557885	_	0.888537		1.0426621	0.98876196	1.087528	1.1112/82	1.04/4351	1.4730404	1,000,000	4 4704043
- C. I.	1 1392248	┖	L.	0.9388239 0.90173566	0.85583687	1.3334715	0.810279	0.8791432	1.0297111	U.8460/01	1.022230	0.0002000	4 nenger
Dhoes 1 BCT-287	1,1345835	1.0715379	1.2093028	1.0808703	1.0206739	0.93373746		1.0189512			1.0213089	1.01/1007	0 713BA78
Dhaea-1 DCT-281	0.6863582	0.7514614	0.7959658	0.95000297	0.87402076	0.78504854	0.85994685	1.0449101	0.86194456	0.80492220	0.000000	0.12004001	0.5837064
Defined Median profein (DBD)	1 4078014	╄	1,4362344	1.2256008	1.6549897	1.4535019	1,4000489	1.4012464	_	1.2077729	0.73246230	0.7322433	1007/000
ATD-etimitated discoonicald-receder	0.8399378	0.78410506	0.8749573	1.099896	0.58129555	0.87220436	0.7629155	0.65278906	0.60577834	0.7872022	0.71406204	0.952/085	1.244300
transforation promoter (GVK)		-							Ц.		0 0000000	0 8575463	1 0326198
Phase-1 RCT-60	0.93353355	1.2022501	0.93339825	_	1.0991944	1.4339681	1.2039961	1.1737727	_		4 0000000	4 4577370	1 0857841
Demando binoco mendo	0.89368564	L	1.177124	1.158289	1.0986661	1.3283399	1,2356503	1.0551441	1.1328807	1.116/81	1.0009902	1.13/13/8	00011000
DAD interaction oratein	0.8200094	0	1.0216209	Ľ	1.0961226	1.2537847	1.2469721	1.1956041	1.4318604	1.2053457	0.9790904	4 4050450	0.8119009
Nucleoside diohosohate kinase beta isoform	╁	L	ļ	1.2246327	1.0855922	1.2703601	1,2078403	1.3596091	1.2880648	1.3621202	1.0397382	1.1603130	2000
			4	_				10000	50500000	0.07384363	1 0868754	1 0849292	0.95854324
Gadd153	0.98801035	_	-4	익	0.8928386	ᆚ	⊥	4 5420473	┸		1.0560021	0.9665231	1.2565777
Insulin-like growth factor binding protein 1	0.8998103	_	4	_	1.2334/4/		1	1.0130460	4	L	0.8708827	0 78463787	0.9970922
C-H-tes	0.8715734	1.1644638	_		1.0461475	_	_	┸	Ŀ	15	0.5527215	0.50914973	0.52591175
N-hydroxy-2-acety/aminofluorene	0.9148696	0.5723575	1.0113008	0.880556	1.0506246	91089898.0	0.8030/0800	0.7482172					
sufotransferase (ST1C1)	4 000004	4 44 7000	4 24744R	1 4187208	1 5876675	1.9553888	1.5744613	1,4439588	1,6565143	1.4216216	9	0.8369561	0.83249515
Phase-1 RCT-52	1.3030240	ľ	1	1.	┸	L	1	0.58555424	0.49048477	0.5621914	0.5075451	0.43073258	0.43572506
Alpha 1 - inhibitor III	1,541390	4	1	_	1	Ľ	+	-	1.1164248	Ш	1.1992493	1,5260287	1.8360548
Sterol carrier protein 2	1.63/63.0	┸	1	-	┺	_	Ļ	1.2512108	1.1947898	1.0530753	1.0578291	12896171	1.3252044
Organic anion darisponer 3	0.86525714	1	15	٠.	上	L	_	0.9342451	1.4075532	_	1.0096425		0.8877735
Diese 4 DCT 482	1 18978	+-	٠.	1_	1.2028279	0.89879507	-		_	-+	0.6963493		0.0130040
Colomodia Ba	1 3114234	L	L	_				_	4	0.8879478	0.9250213		4 24 70524
Aldeh de dehi-dencenzee microsomal	1 2392752	ļ.,	L	<u> </u>	1.2720841	ш			_	-	1.1007295	₹.	1.21/02/4
Phase-1 RCT-128	1,3877952	ļ.,	L.	_	-		- 5		4		0.8878350	AC9790 0	0 73896307
Phase-1 RCT-102	0,7889426	Ŀ	6 0.6700307	0.7161397	0.87325263	_	_1	_	١.	0.520/8/25	1.0933093	٦	1011237
Deamshumin sequence 2	1.501886	1.131488	3 1.0357842	0.9416688		_	-	0.82064027	4		1.1804.04		1 1731334
Apolipoprotein Ali	1.256671	1 0.8807495	š	3 0.61682326	0.95406846	_	4	_	0.8380611	0.92503045	0.043412	0 74648246	0.67437637
Phase-1 RCT-10	1.263763	7 0.771507	7 0.846234:	3 0.9851112	1.1803931	0.965615	4	-	0.99182663	0.9112300	0.9843347	1,3895514	1.2015344
Phase-1 RCT-48	1.005409	2	1,458394	1 4294807	4	0.7645646	1 0.6561277	0.84087959	+	1	1.1427978	0.92953813	1.1278182
Phase-1 RCT-8	1.484120	11 1.1908412	1.110334	0.9820308	0.830048	V,7040UT	1,0001	0.017000					

	, ,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,	1 0000000	4 4000072	1072606	1 21744481	1 1077245	1 3581	1.0874873	1.1549605	1.1103178	0.8115332	1	0.8228663
Phase-1 RCT-168	1.2238381	1.2343104	1.1000012	1 1038438	1 0823679	-	0.91610396	-	0.89513135	0.8890916	1.2805486		0.7446241
Phase-1 KCI-88	1.1001013	4 53250RB	1 0320371	1 1337547	1 3225758	16	0,59296244	0.8334915	1,2121047	0.8802234	-	1.6266481	1,2011054
Beta-elanine synthase	1.0390313	1.3323090	-12	0 00208015	1 0508249	+	+=	0.81646484	1,0451744	1.1165332	1.0063559	1.1497546	0.9218822
Phase-1 RCT-298	1.4251123	1.042020	٠,	7801934	1 1920874	0.9769893	-	1.5019727	0.6861851	0.8602003	2.0685604	Ų	1,8291625
Carbonic anhydrase III	1.2307081	1 1183105	٠	0.98763746	1 48144531	1,4855686	1.3302574	1.1791489	1,2853419	1.192021	1.0344296	_	0.8220951
Phase-1 RCI-231	1 3800000	1 363947	-	1.1147693	1,3169941	1,1500545	0.9834033	1.1931208	0.8923862	0.8910005	1.5218753	2.5837855	0.8891937
Carbonic anniquiase III, sequence 2	1 3056396	1 0358433	1.0519078	0.8565979	1.688782	1.3719628	1.0900314	1.204021	1.7533638	1.1575611	1.0579194	_	1.1208429
Priested Roll-271	0 8973875	1 0034107	0.91172624	0,6759581	0.7312341	0.9873651	0.8854437			_	1.3358428		1.4409943
Dheep 1 PCT-189	1.2686024	0.9871813	0.8433522	0.9631251	0.9670175	0.96059227	$\overline{}$	ᇷ	-	-	0.77208054	-	0.98295015
Phase 1 RCT 40	1.0793378	1.001851	1,3385983	1.1642632	1.0714354		0.97093135	0.9657371	1.0988998	1.1096889			1.2433633
Hrinary protein 2 precursor	1.1396357	0.7734738	0.7437181	1.1355599	0.90776366	-	_	0.68479574	0.7077478			4	0.0024000
Paraomoras 1	12734405	1.1374274	1.1692327	0.8875405	1.0000651	0.7913593	0.8649714	0.7219137	_	-4-	_	_	004000140
I wer fathy ackf hinding profein	1.065481	1.4900931	1.0102762	1,2340068	1.2483753	1.1086895	1.4777777	0.8038268	_	_	0.69047433		0.63400034
Presentio-1	1,4709693	0.9679139	0.76308966	0.7808949		0.51832575	0.8810527	0.6240644	-		0.5048608	-	4 4505497
Dhase-1 PCT-38	14172268	1.0950885	1.0380607	0.9196034	1.1550723	1.0180225	0.9756138	0.95219725	1.012844	-	0.88368857	┸	1.1003432
Obsee-1 BCT-270	0.99800235	1.2422948	1.1392775	1.0750597	0.9538332	0.8622422	1.0220935	0.9343709	0.9310574			4	0.61.0044
Transthyretin	1,3015764	1.095263	0.8814501	0.8234068	_	0.5790386	0.73263955	0.5527899	0.5254505			0.46/309/2	0,012/3/0
Hanatic linase	1,11714	0.7437439	0.80211073	0.5170425	1.1308197	0.69979334	0.9047116	0.7302419	120/221	-			0.1010100 0.1010100
Cytochrome P450 11A1	1.0846782	1.3403656	1.4946936	1,2273898	1.1200644	1.230496	1.211865	1.7917359	20011103		0.6330362	_	0 028/01
Dhase 1 RCT-175	1,5651836	1.4563739	1.1256481	1.0500906	1.1132642	1.0293131	0.86890924	0.81957775	0.8535818	_	0.04808407	1,0000	0.02049
Dhasa-1 DCT-117	1 4595478	1.3799983	1,7329228	1.1531007	1.3582462	0.9438115	0.70393	0.84761375	1.1803007	-	_	1.4190305	1.0934793
Dhase 1 DCT 147	1 4849468	1 2344115	0.99999994	0.9990186	1,306499	0.7925805	1.1141845	0.8439035	0.92509645	-	-	0.42391503	0.4968/51
Motorograph president ME491	1 3095828	0.9572113	1.2969872	1,3903663	1.1284412	0.9924978	1.1190656	1.0891837	0.9854227	1.0451078	0.9841422	1.0709833	1.05/3464
Meidinia associated of myor merce	0 0246583	1 1237488	1.0929352	1,1073791	1.1336422	1,4516833	1.3602393	1,170492	1.2169627	_	1,1255708	1.0801247	1.4226/72
TRASS-1 NOT 450	0.05184183	1 2400241	13075821	1,4334339	0.98074468	1.0910673	1.0417897	1,1113588	1.1095283	1.2457852	0.73593473	0.7084752	1.0087256
Frase-1 RCI-132	0 9702548	0 7700481	0.75559103	_	0.908553	1,2080936	1.2068856	1,3493679	1,4388244	_	1.281665	1.3707178	1 2247324
Cytochemic DAFO 2023	17178463	0.9776241	0.8742682	0.9040527	0.8912418	0.45116067	0.7558584	0.4624288	0.6237718	_	0.75109774	0.74366	0.794523
Voltage-dependent anion channel 2 (Vdac2)	1.078925	1.2125319	1.285039	1.1896448	1.3035039	1.4937894	1.2329996	1.2834397	1,3901396	1.3733089	1.3736389	1,5699555	1.7035103
						000000,	4 4050045	4 3035005	1 171 2005	0 0325646	1 DROMAZA	1 0068637	0.93843784
Phase-1 RCT-164	0.92725456	0.9818855	1.1567302	12157241	1.1096146	1.0920738	1.1250215	1.3022902	1.17.150955	0.9353040	1,000,120	+-	4 245371B
Superoxide dismutase Mn	1.1920233	1.6315763	1,7596872	1.4134419	1.1765287	1.2513832	1.0321606	1.2858676	1.52030670	0.410307.0	1 2349048	1 1414587	0.9603114
C-myc	0.98453975	1.0128802	0.9801688	1.0196549	0.80479836	1.2630084	0.7707345	1,000ct 0	4 4068682	4 4 4 4 4 6 0 3 1	0 8378947	0 54823047	0.8849616
Phase-1 RCT-196	0.69939478	0.6268276	0.7413574	0.90598124	1.0151032	0.8525351	0.8/8/558	4 0040076	1.1800002	4 0780777	1 0604428	1 1795504	1.5394915
Cydin G	0.79947704	0.9966421	1.1879214	1.0459999	0.9731049	1.088/344	1 040000	1.0010320	4 0333035	1 0732217	1 300785	1 2928925	1.2656833
Calgranulin B5	0.88504994	0.94553826	0.9553519	0.91272026	1.0716777	1.0/356/5	1.040000	4 0490000	4 4444474	0 0720443	1 0674292	1 1984879	1,1559552
p53	1.0284336	1.0344322	1.0596927	0.9446959	1.0366628	1.1405015	1.1233320	1,0405000	4 2458733	1 1141752	1 0286843	0.9720383	3,87599945
Phase-1 RCT-205	0.8817756	0.77154285	0.8388684	0.86125016	1.1250507	1.1245530	4 0707076	1.0043917	4 0/61162	1 2805457	1 2031827	1.508034	1.3386087
Phase-1 RCT-68	0.92837083	1.0328423	0.7023249	80100CD.1	1.072270	0.0000047	4 111024	0.85983026	0.9351861	1 0423726	1.0851798	1,5254761	1.3848845
Caspase 3	0.74508288	0.8099819	0.7463179	4440005	1 2011505	1 5012289	1 3090027	1 2545874	1 5243456	1.4102197	1.1584544	~	0.96638155
Alpha-tưbulin	1.1133395	ABIETUT.	1.110/400	4 9455004	4 0750833	1 1008143	1 1759198	1 208638	1 1272985	1.2882722	1.0524868	1.023628	1,2812889
Ribosomal protein L13A	1.0370792	1.103307	1.3043312	1 0054700	000000	0 8024858	0 01136533	0 9373995	<u> </u>	1.0133716	1.0982697	1.1659347	1,3121263
IgE binding protein	0.88144314	**************************************	0.74233064	0.8860121	0 93739563	1 0983394	0.99966663	1,6308517	_	2.263474	0.98962563	1.2076687	1.2125387
Prase-1 RCI-39	4 9518732	4 9017913	_	1 2494075	0.901139	0.8266225		0.9113568	_	0.86267895	1.074618	0.9685963	1.1785523
	1315695	1 5988879	1.8892936	2,8961155	1.0067487	0.9438345	0.93153197	0.7676747	0.75536895	0.8648719	1.4980029	_	2435522
Treme oxygenase	0 6601200	0 7310898	0 7531202	0.93108624	1.0452049	1.0585343	1.0619383	1.2651393	1,2832581	1.3451	1.1097966	_	0.82133603
Dihoomal protein So	1 6367985	1.309577	1.4895593	1,4182341	1.2802167	1.202473	1.3338516	1.1023035	1.331908		0.69744384	0.6832528	0.5839838
Phase 1 RCT-258	0.91884816	1,1367035	1.2460519	1.0930475	1.0931863	1.0761275	1,0958142	1.0942019		_	1.0526546	0.9868706	1.01//026
Aminimum incinate lyasa	1,1505351	1.3509878	1,2208346	0.97422415	0.8459808	0.8847442	1.0417303	0.8355841	0.7680508	믜	0.87650603	0.8913922	1.0397401
Dhasa-1 RCT-180	1.2443647	1.1696856	1.1577052	1,1910163	1.2780552	1.2404369	1.4168665	1.0855331	1.2957443	1.1864618	1.0165/07	0.8865005	4 457063
Mutting resistant protein-1	0.8513599	1.3866185	1.7795007	1.0307683	0.97372574	1.5768877	1.1856297	1.3839233	1.458121	1.3789705	1252205	1.7073212	4 0620122
Omithing decarboxylase	0.954825	1.2021352	1.2125236	1.1312973	1,1725769	1.2529758	1.0988969	1.2622033	1.29426	1.1600983	07404078	0.7558930KJ	0 7385118
Thymosin beta-10	1.0111797	1,1549972	1,3219199	1.3810022	1.0041044	1.0950592	1.1065707	1.0604261	0.9766281	211/1121	4 4074669	4 1823599	1 1450472
Phase-1 RCT-72	0.79837257	0.828669	0.8570422	0.9063326	1.4427398	1.3917104	1.3/98535	0.90307303	1 03/27/44	1 2000589	0.8948181	0 89830157	1 0222783
Phase-1 RCT-109	1.0459568	1.1912588	12338687	1.3265098	1.1086216	1.0635175	1.181331	1.07.27.024	0.0267548	0 8945361	0 69958025	0.62672836	0.7535947
Phase-1 RCT-76	0.6177163	0.6621892	0.66160244	0.9516684	0.8408200	0.7649097	0.7686197	1,4304150	0.920/340	A 71151378	0.5560013	0.45367903	0.63779545
Vacuole membrane protein 1	1.1080022	0.8780693	1.1242611	0.96874166	0.88226676	0.92202550	0.0202000	0,130000	U.arossaru	0.7 1 121212	Constant of the		
		:											

	7	0.000004	200040	Second 1 214444 0 0 1746 0 000000		0.0850338 0.8003373	0.8003373	1 0496098 0 99042084	0 99042084	1 0009493	1.0054662	1.0736632	0.9978061
Phase-1 RCT-158	0.7358671	0.588/851	0.8109457	C1 /184 B.O.	0.0200020	4 0495700	00740408	1 0543334	1 0755477			1 0135715	1.0980257
Phase-1 RCT-113	0.9000228	0.83981574	0.9000228 0.839815/4 0.898698256 0.945/3026 0.9/19950 1.0465/50 0.9/1950	0.945/3020	0.841/8.0	0000	0.37 104430	1.00000	200000	0 77074.0	4 4000360	1 4000474	4 2571AB
Endogenous retroviral sequence, 5' and 3'	0.56552345	0.62864804	0.56552345 0.62864804 0.6663877 1.8134204	1.8134204	0.8051625	0.9944769	0./515338	1.20802.1	0.7010030	0.1131112	1.130000	-	
LTR	230,000	4 40 40000	0.000000	4 0006083	0 7757172	1 \$100052	1 0077792	1,2239356	12457637	1.1447319	1.3180724	1.3470939	1.7217063
Beta-actin	0.7401233	⅃	0.0703042	1.0220303 0.1131112	0.00240033	4 225720E	1 051158	1 1214749	1 1223944	1 09478	1.064753	1.1693369	1,1685802
Phase-1 RCT-65	0.988695	L	0.8506738	1.0703037	0.30349233	4 4406203	4 2402746	1 020721	1 0199851	1 1997719	13246368	1.0519758	1.2596899
MHC class I antigen RT1 A1(f) afpha-chain	0.9128658	1.4849708	- 1	1.41959824	1.14.39/83	1.4 130233	4 0300688	1 0570378	1 0917734	1 1220024	1 1137072	1 1146199	1.3624527
Bax (alpha)	0.8780714	L	1.1316482	1.0000	7.0.001/9 U.94069/34	0.94669/34 1.2040212 1.0250000	0.04507604	4 0586959	1 1240353	0.96204	10129985	-	0.74993217
Carbonyl reductase	1.0082319	_	1.0359313 0.955/3/60 0.96551965		0.0004000	4 44 40 700 0	4 0393804	1 010939	1 0595994		1 0299152		1 200 1052
Beta-actin, sequence 2	0.9034704		1.0353424		1.0634217	1.1440200	4 4940042	1 1124707	1 1134707 0 94676745	1 0502825	1 299325	1.1897255	1.1789443
Interleukin-10	0.7948611	⊥	-1	4 0000000 0 000000	4 22040202	1 51R7064	1 2914625	1 4764293	1.5989642	1.3647133	0.63138214	0.7151828	0.9865746
Phase-1 RCT-191	0.8401624	_1_	1	0.84307.11	1 0004540		0.007374	0.9587112	0.9683797	0.88504463	0.7204084	0.654606	0.7669292
Phase-1 RCT-111	0.91998833	L		0.911/0414	4 444004E 0 05007843 0 0045401 0 80403087		0.8205674		0.69527066	0.7054835		0.78443235	0.9007277
Apoptosis-regulating basic protein	1.2431304	_		0.90901000	1.110045 C.80351055 C.82515105 C.825081 C.825082	ABCAEAND O	4 5200868	1 0379813	1 0393149	1 2606711	1.2606711 0.83408314	1.1503837	1.1137137
Glutathione peroxidase	1.0010.1	1.020301		0.0000000	0 75508027	D 0364077	0.8851457	0.8851457 0.80338484 0.59816194	0.59816194	0.594977	1.2344102	1.3399453	1.2839587
Phase-1 KCI-239	0.79097927	0.0797046	O SEESOAT	0 8380758	0 9609959	1 0109898	0.9704788	0.9704788 0.94253916 0.94219184	0.94219184	0.9092993	1.0493355	1,0119119	1.0177362
Phase-1 RCI-6/	0.82442803		_	4 4494789	4 44366R	0 9447995	1 0808591	1.0849711	1.0664178	1.0808591 1.0849711 1.0664178 1.1286589	1,1293199	1,4611645	1,4958245
Tryptophan hydroxylase	1.1/38440	- 11	00015071	1.110460	0 7700544	4 AE72554	4 107387	0 705389	0 85943254	n 705369 0 85943254 0 71490014	0.9824282	1.1792979	1.1774232
Sulfotransferase K2	0.79442835	- 1	L	4,000,004	1.8048452 U.// 80541		4 04446046 0 09378995 0 85619346 0 96838954	0 85613316	0.96838954	0.8804729	0 9596444		0.93461883
Calgrandin B9	1.0/6562	_		1.123/201	0.8301/3/0		0 0544369	0.0384208	0 0371893	1 1042272	1 0197505	1.0697129 0.97108177	0.97108177
Phase-1 RCT-123	0.9051793	0.6986835	0.85/298	0.85/288 0.8840246 0.9/232/	0.9/2026	ı	0.004 1500 0 848 1425	O ZR75062	0 76493025	1-	1 0050184	1.0050164 0.90141773 0.87496513	0.87498513
Phase-1 RCT-98	1.0624834	0.92400557	익.	0.82508504	0.336/110		0.0401420	0.707.0002	0.88705847	0.0441000 0.101010 0.00440 0.0044000 0.0044000	1 2518944	1 2606089 1 1682246	1 1682246
Aquaporin-3 (AQP3)	0.9177585	0.9177585 0.80286753	_	0.84855037		0.90821433	COULCE.O	0.83440913	0.007.0047	000025000	0 3057444	0.2057444 0.27287803	0 1961258
Steanyl-CoA desaturase, liver	0.880401	0.14997302	0.880401 0.14997302 0.09074888 0.09381872	0.09381872		0.62645817	0.43046883	0.34804508	0.7096720	0.8512865 0.62645817 0.43046883 0.34804508 0.7096720 0.09739839		4 4080422	4 290774B
Phase-1 RCT-64	1.3886623		1.2088335 0.97283116	1.0089219	1.2650424	1.2913196	1,2294636	1,2294636 1,1242884		1.355845 1.1.20020	1.109////	1.1303122	01/1607
												Ī	
(1) Gene expression data for 24 hour												•	
timepoint are presented as mean ratio of													
treatment/control for all 24 hour predictive													
genes (Table 5).													
(2) Compound and dose abbreviations as in													
(a) 1-45-4 and and more how													
(3) מומואומתים פוחווים ווחווים													
(4) Liver uniammation classification for													
compount to be a series of the promote with								`					
inflammation observed, no. no histopathology	->												
observed													
(5) Predictive gene (as in Table 5 and as													
included in Table 26)													

Table 29. Expression Data for 24 Hour													
Hineboan (1)				П	П	П			1	T	97	037 01 10	Se Mil Se
Compound-Dose (2)							PUR 38	PUR 38	PUR 38	PUK 150	35	8	2544
Animat Number (3) Liver Toxicity Inflammation Classification (4)	1334	1335 no	1336	02	. 07	92	_	5		no	8	2	0
Gene Name (5)							100000		0.07742466	0.80794089	AZ05130 0	0.9028388	0.612314
Gamma-actin, cytoplasmic	0.7751247	1.0170078		0.8968741 0.85441525	0.7898974	-	1.20403/3	0 8864563	1 0455493	0.9726354	0.88758204	0.8683834	0.9849822
Phase-1 RCT-145	1.5420861	1.2157737	0.94032466 4 R680107	1.0918947	0.8600311	1.018031	1,2352792		1.0425459		1.0580709	1.250975	1.0638925
Dece 1 DCT.78	0 94828553	12	0.96331453	1.0770189	0.85288167	0.9374993	1.0845751	1.3102221	1.0358194	0.9833112	1.178431	1.2139638	1.0527768
Figure 1 No. 1-70	1,6840354		1,2209109	1,1484953	1.0751984	1.075027	0.6996766	0.7643318	-	0.8949409	0.9425489	0.9752446	1.1569496
Macrophage Inflammatory protein-2 alpha	2.0506077	1.9963089	2.7863204	1.7296944	1.3984755	1.057463	1225336	0.9602098	- 1-	0.97827536	1.0913934	1.2430882	1.0232/33
Infection befal	1.7936729	1.9792509	2.031476	1.1542113	0.88765925	0.923847	1.2588307	1.0338233	1.0156817	1.001623	1.1/8///8	1.2420021	1.0504104
Phase-1 RCT-207	1.5989505	1.4324657	1,3211188	1.1064781	1.0537797	1.051076	1.0481902	1.1356007	1.0403031	1,0490950	1.0039287	1.0128085	1 0038037
Aspartate aminotransferase, mitochondrial	0.9589811	0.3376761	0.62533134	0.80880773	0.9129949	0.77953726	4 0266401	0 9797704	0.9948743	0.8948743 0.84317526		1.0534331	1.1083649
Caseln-alpha	2.2045033	2360422	1.9059634	1,4808445	1 052414	0.6232835	0.9031359	0.9353328	0.9529576	1.1333954	0.84050554		0.90660715
Malic enzyme	1.35/6/6/	1 3861339	0.001400	2 8878631	1 1244067	0.9144617	1.7900466	1.6691152	1.6457768	2.216333	0.7097603	0.7623583	1.0928982
Phase-1 RCI-30	4 2443246	Ţ	1 512188	1.0143418	0.9957587	1.02166	1.1428854	1.0255039	1	0.9570927	0.97846586	0,9773995	1.0811031
Heparocyte grown factor receptor	1 1025687	┸	0.9146814	0.9365672	1.0834298	-	1.0612943	0.8516887		0.7943596		0.9867942	1.0379138
Codiminate misses	0.42227444	0	10	,-	1.0928365		1.8790008	1.6040045		1.2285358		1.5125178	0.67078185
Phoen-1 RCT-27	1.1314412				1.1255213	0	0.43073025	0.43880147	0.8140817			0.62603205	0.8112508
Phase-1 RCT-50	1,5447166	↓_	L.,	1.2872071	1.1848814	1.1412555	_1	0.961558	0.961558 0.96501106	ч		1.0279858	1.1204283
Phase-1 RCT-192	0.9048307	0.7248219	0.9280826	1.0515157	1.017537	_		0.95027095	_	0.8933413	0.84/1283	0.5022142	0.094142
Phase-1 RCT-288	0.78663826		0.9	1.1487776	12266461	_		4 0445652	4 4450687	1 1201045	1 1201045 1 3815165	_	0.91526157
Phase-1 RCT-37	1.3757353	_		1,2276294	1,0963138	_	1,090436	19	L	0.9730313	┸		0.9002472
Organic cation transporter 3	0.85236734	_		1.1851923	1,0781773	0.0035700	1 2056105	1 000431	Ľ	1=	┖	1.1687535	0.8685022
80S ribosomal protein L6	0.85519886	0.85519886 0.7346933	0.82743185	1.00/1105	1.133443	┸	0.7768126	0.7768126 0.99312115			0.8500998	0.93385816	0.9741769
Zinc finger protein	0.8557377	0.3083340	_	ľ	0.8993645	╄	1.216803	1.1216285	1.173083	1.0845337	Ц	1.0475897	0.84018314
Castlermin DZ	1.3105171	╄	┺	_	0.82166344	0		1.0343043			_	_	1.0428363
Phase-1 RCT-92	0.53692865	_	10	0,8470675	0.8005772	_	_	0.8431694	<u>-ر</u>		1	0.75690587	0.98808823
Phase-1 RCT-115	1.8426685	2.598575	1.9163446	Ц	0.8073111	-	4	_L	4	1.163282	1.421/000	ľ	0.96532696
Matrin F/G	1.005943			9	0.97949857	4	_	1.1369069	1,1033/31	┸		ㅗ	0.8008151
Mutt. homologue (MLH1)	0.80492294	_	4	4	1.2240592	4 4675047	4 422364 13			٥	0	L	0.9895186
Phase-1 RCT-79	1.499592	1.8371392	1.26325/4	1.0186112	0.844862	_	┸	1_	1.	1_			1.3827358
Sorbitol denydrogenase	4 8527684		┸	_	┸	_	L	۳.	0			0.87940115 0.84163594	1.0561428
Colorandia R1	1.1109432	1	_	_	L		_		-				0.9415951
Elementary factor-1 alpha	0.4718441	Ľ)	0.85771114	٦	Ц	_1		0		1.2256888	0.9836854	0.02820126
L-gulono-gamma-factone oxidase	0.96868867	Ц	9	0.5761963	0.3793916	4		1.3204004	1.14/11/	1.3021033	15		0.9808205
Phase-1 RCT-33	0.9436566	-			0.734366	0.90345374	1 1534594			╀	_	1.2017705	1,495081
c-fru	1.5851939	2.1555805	1,9233333	0.84230143	٢	-	Ľ		Ь.	┡	ᆫ		0.9823555
Phase-1 RCT-233	4.086024	4	1		┸	ㅗ		_		Н	_		1.0077785
Phase-1 RCT-242	1.4705359	Ļ	┸-			ш	1	Н	_	-1			0.82185926
Phase-1 RCT-181	0.7149683	Ļ		Ш	0.9387358	Ц	4	_	0.8898559	1.1257982	0.87645304	4 4 7700557	1,024015/
Phase-1 RCT-185	0.55311054	1 0.44365102		_	_	_	4	4	1.25132/	ָר כ	7	┸	0.8679042
Phase-1 RCT-179	0.6312935	0.63129354 0.68761255	_		_1			1	4			_	1 0332111
Phase-1 RCT-144	1.0797089				٦.	┸	٦.	0.05013	1	1	0 98157626	┺	0.982654
IkB-a	-	õ	L.	1.0033299	0.9901904	0.9540928	1 1244746	┸	ľ	┺		10	0.92749288
Phase-1 RCT-225	1 004536	0.830526	1 1346211	1'	\perp	1	1_	Ľ		_	1,2057074	1,0045232	0.91130894
DOS DOSCUES PROBLED (andries dose)				_					4	1 040000	4 2507097	4 0953674	0 01883874
Beta-tubulin, class I	0.9053487			_			_	1.09/543/	1,0902303			_	1.3631281 0.98022217
Multidrug resistant protein-2	1.4736279	2.493568	1,4167848	3 0.7647978	1,1543555	1.006/889	1.0002000	_	4	4	Ţ	J	

			Ļ	- 1		ı							
Phase-1 KCI-49	0.90640664	- 1	4	7	0.96419114		0.83615047	0.95741147		1.0262363	1.0053183	0.9464631	0.98910654
Caggranum es	1.6787869		-	1.1620291	0.984861	1.0012627	0.95930374	1.0469502	익	0.94154066	1.3756757	1,23126	0.97302985
NADP-dependent isocitrate denydrogenase, cytosofic	0.6836266	0.77799374	0.79291224	0.9667488	1.1289958	1.1269422	0.9549355	1.0812529	1.1611418	1.1026538	1.3528653	1.1480398	1.0006584
Octamer binding protein 1	1.1796796	+	1.2903521	1.0973136	0.92527527	0.92474145	1.2966089	1.1625795	1.0539497	1.2765635	0.97550863	1.1652224	0.9456235
Sodium/bite acid cotransporter	0.42440224	Ц	ш	0.5825043	0.9208087		1,1837184	1.2177778	0.9548348	_	0.44539407	0.43020445	0.84064966
Phase-1 RCT-174	0.79524606	-	_	0.9624036	0.9710325		1.2323394	0.9895259	1.282749	1.3712542	1.2548008	1.0087531	1.0428594
Phase-1 RCI-77	0.76186424	_		0.8499015	0.8888675	_ 1	1,0906193	0.95597565	1.4111189	1.4953321	1.1744456	1.0122144	1.0027592
Inositol polyphosphate multikinase (pmk)4	0.65068805	2	익	0.8768913	0.7855412	_	1.2500962	12125511	1.2161921	0.73142874	1.1579235	1.0496624	0.6563345
Prase-1 KCI-256	1.1059732	_	4	0.7776016	0,8039603	0.8659218	0.9705028	0.9894408	1.2411373		0.94323033	0.7713182	0.98353684
Equitorative httoDenzyttnioinosine-sensitive nucleoside transporter	0.52561474	0.6549604	0.6092755	1.0304985	1,0830164	0.88682175	1.1053175	0.98312956	0.8751978	0.8580609	0.9205711	0.7264434	0.9230696
CDK102	0.9991662	1.1521218	0.89821778	0.98783696	0.959982	0.9726408	1 1682565	1 1709025	1 1036792	1 1247188	1 17RB42R	1 1413279	1.0700452
Phase-1 RCT-209	0.77176684	Ļ.			0.9979191	1.1623949	1.4319075	1 1139686	1 0683999	0.89849555	1 4700807	1 2804309	0.07522485
NADH-cytochrome b5 reductase	0.71081245	乚	Ļ.	1_	0.87494934	0.745985	0.9653674	1,2268115	1.1615638	1.4101257	1.1956729	1.066221	0.85171974
Dynamin-1 (D100)	0.7426757	0	_		0.96010804	1,1280041	1 2631251	1 4042493	1.4516655	1.4037815	1 1441544	1 2282858	0.05024877
Senescence marker protein-30	0.523519	_	-	Ľ	0.7294056	0.8826812	1,2850164	1,4567498	1.1480064	0.7115146	1.4083627	1 0917314	0.8071643
Phase-1 RCT-89	0.7403539	0.94825655	ᆫ	0.9235927	1,0681068	1.1811488	1.0716478	0.9623397	1.1261408	1.0327787	+-	0.89045626	0.914287
Carritine palmitoyl-CoA transferase	1.8709424	1.8192694	1,5115345	1.3359747	1.2053642	1,2187146	0.85613406	0.90372306	0.8579229	+-	_	0.8399287	1 1546395
Alpha-2-microglobulin	0.41066796	0.29802874	0.500155	0.88991255	0.6129791	0.9370444	0.83393927	1.0821575	0.825944			0.87308588	0 6813275
Apolipoprotein Cill	1.1424757	1.0567625	1.0036926	0.8977446	0.7266086	0.8962024	0.9834256	0.9314295	0.88339514			0.75123125	1.1150836
Cathepsin L, sequence 2	0.855082	0.8699882	0.8156406	0.8812172	1.0352339	1.1032578	1.1170532	0.87318325	0.96134496	0.6753056		1.4191232	0.86525893
Phase-1 RCT-141	1.7052307		1.4972514	1.8501378	2.1751804		0.8483675	0.82340705	0.8118818	0.9066435	0.8827328	1.2979517	1.0544385
Phase-1 RCT-289	0.49348044		Ц	0.92078924	0.76412904	0.85491127	0.82542336	0.9454408	0.8283009			0.58677983	1.03377
Endothelin-1	1.7655861	٦	_	1,5462632	1,2918987	_	1.275002	1.055731	0.9660257		1.1153284	1.2753117	1.0153232
Phase-1 KCI-282	1.4923133	1.775318	┙	0.8869149	0.9068156	0.9162484	1,2658323	1.1072381	1.0935947	-	0.88425404	1.3231083	1.0531036
Phase-1 KCI-140	1.6720767	1.557461	1.3942238	1.197858	0.97595584	0.9977018	0.9917154	0.95789504 0.97119784	0.97119784	0.9433333	1.0578036	1.0790267	1.0582429
Cydin Di	0.7989657	_	_	0.72673106	0.8327274	0.67947334	1.2481043	1.016868	1,033907	1.0500354	_	20147452	0.7934894
Dhace 4 Oft 204	0.8123/8/6	0.86/45083	٦.	1.0311635	1.118187	1.0385823	0.7970577	0.8776451	0.8572715	-	-	0.78247434	1.0285747
Definal hinding protein (DBD)	0.4530000	4	-	78022087	0.78888357	0.87951046	0.46/48134	0.28542545	0.441/8/3	-	0.39658767	0.30699605	1.0242499
Neuron-unding protein (KBP)	0.43230800	_		0.7508533	1.0022451	0.9694675	0,9700575	1.1065508	1.1077117	1,2170933	1.0295526	1.0007362	0,8076551
A I P-summated glucocorricolo-receptor	0.7284832	0.76999533	0.8091418	0.8946337	1.1253346	1.1449839	0.9360019	0.8881673	0.9059224	1.0330625	1.1430318	0.8509271	0.89734787
Phase-1 RCT-80	1.0635383	1 2001284	1 0058410	1 48/0802	1 0108724	0.88444747	O BASCOBES	0.04876238	O DOENEGEE	0.00442500	0 0450004	A373007E4	0,000,000
Pyruyate kinase, muscle	0.9227019	12	L	1 8802722	1 0500202	1	1 0732787	0.87306905	0.9900333	0.0011000	4 8328377	4 5357057	0.00,03949
PAR interacting protein	╀		0 8845827	0 920735	0.87675333	0.92659678	0.808833	1 022275	4 0770777	1 0413041	0.0575056	0 0450040	0.3412310
Nucleoside dichosphate kinase beta Isoform	╄	1 0694425	_	O ROBASONA	1 0033407	0.81300044	1 1428217	1 0686803	1 2/4 7822	1 3003783	1 6846479	4 664867	4 4957793
Timport plant present and planting appropriate		SHEDO:		0.90049044	interent i	0.0	1.1420211	1.000093	770/147	1.3083/85	2740100.1	Zcaroa.r	1.1352/82
Gadd153	1.3397591	1,609979	-	1.1566218	1.0702122	1.0420221	1,2556634	1.1195099	0.99976164	1.0199667	1.4937395	1.6063533	1.0571584
Insuffindike growth factor binding protein 1	1.0156424	_	1,2206529	1.0963703	1.1381238	1.0473195	0.9941923	0.86149377	0.72245663	0.88541824	0.9580864	0.9260048	1.0910587
C-H-ras	1.075605	9	_	1.1841125	1.0201089	0.8969856	0.7691484	0.819843	0.8678842	0.9555515	0.9057145		1.1245339
IN-frydfoxy-z-acetylaminofluorene sulfotransferase (ST1C1)	0.33773658	0.5087699	0.48030058	0.9006225	1.082015	1.1971567	1.1105255	1.0789756	1.1346847	0.81819206	0.9558696	0.9955902	0.77561325
Phase-1 RCT-52	0.8228683	_]	0.82216805	0.96248186		1.0604991	1.1056898	1.0875318	1.1864817	1.2265075	1.4329345	0.79139745
Alpha 1 - inhibitor III	0.18576266	_	0.30865493	0.7085946	0.51497895	0.9713823	0.5010947	0.7272087	0.6650058	_	0.46015564	0.5236825	0.7907036
Sterol carrier protein 2	0.9796273	_	1.2789696	1,0387591	0.8224871		1.2802987	1.1358793	1.0819988	1.0066876	1.1911036	1.3485842	0.98111673
Organic anion transporter 3	0.83891004	_	0.7738117	0.5952773	0.76925004		1.3766134	1.1520414	0.9718759	_	_	1.295898	1.0355397
Calgrandin B4	0.7023516	_	0.731053	0.8157693	0.7592389	9	0.7349864	0.87938654	1.0243044	-	-	0.81453234	0.9518482
Prizise-1 RCI-182	0.850215	-1	0.5995349	- 1	1.1499349	1.1110083	1.0259411	1.1687399	1.0248908	1.1517327	_	0.9553665	0.9309076
Aldehale dehalmennen mismonnel	4 04707078	1.0939511	0.8533495	0.6555655	0.66904867	0.77539843	0.9655776	1.1589131	1.0620713	1.0584564		1.0470881	1.0013036
Phase-1 RCT-128	0.65255404	le	0.000000	ı۲	0.9204192	1.0234100	1.02/3314	1,0030104	4 577406	4 2054 007	1.106/236		1.0611/48
Phase-1 RCT-102	4 4587820	4 4500088		0.00028240	0.7373313	0.479449	20000	0 0703557	1.07 / 4200	0.00000000	1.12/022/	1.1094167	0.87337436
Preproalburin, sequence 2	0.63689274	0 40874577	_	0 7885974	0.8094539	0.92887366	0.81010246	0.070728344	0 0024244	77015204			0.04480234
Apolipoprotein Ali	0.6481661		0.83568555	0.5271455	0.5756268	0.7867256	1.8059485	1.0386091	1.0843185	0.9561453		-	0.8493565
Phase-1 RCT-10	0.6709862	0.5903469	0.6502797	0.89473355	1.0821829	1,3477174	1.3196545	1,1120347	1.220819	0.9694618	1.1729807	-	0.92593306
Phase-1 RCT-48	1.1332221	0.70359856	1.2846375	0.92901945	0.59912443	0.6083315	1.3321055	1.3306913		1.3580681	1.3607554	1,6720998	0.86727595
Phase-1 RCT-8	0.57673603	0.4184849	0.690263	0.8420073	0.8383393	1.0352683	0.7205276	0.72588044	0.95410484	0.76164985	0.74081314	0.8186643 0.742407	74240774

Ohone 1 DCT 469	0 860034	O BRAB11	200587000	0.06244623	0 9264378	1 0132492	0.6931724	0.8581658	0.8898843	0.98985847	0.82069063	0.78072857	1 0084405
Phase-1 RCT-88	0.617419	0.6941021	1.093092	0.969002	0.9749044	1.0348506	0.630362	0.83683795	0.86343557	0.94811755	_	0.70233345	1.1543163
Beta-alanine synthase	1.20764	0.86368644	0.8398512	0.82723824	1.2829096	1.148659	0.84695715	1.2141876	0.9755405	1.239506	1.4424802	1.131592	1,4971608
Phase-1 RCT-298	0.85993983	0.6412798	0.8505126	0.32238492	0.734029	0.7843578	1.171437	1.2054237	1.3876404	1.1029518	1.1496809	1.0546476	0.8720876
Carbonic anhydrase III	0.6579221	0.1841041	0.58411616	0.5692562	0.33945256	0.8492595	1.3313161	1.7878973	1.2322781	0.9279815	1,5931683	1.2893487	0.4595247
Phase-1 RCT-291	1.0675035	1.1379033	0.9090218	0.7117708	0.7457681	0.76791894	1.031639	1.0547712	1.0157382	1.0039705	-	1,0691692	0.9678504
Carboric anhydrase III, sequence 2	0.5667108	0.666213	1.0931274	0.7815611	-	7	0.69677824	0.80892387	0.8991543	0.9750866		0.71836406	1.0308155
Phase-1 RCT-271	0.9197381	0.7583402	0.8139433	0.87135756	0.78492606	0.7767287	1.3053808	1.0597711	1 2246428	1.3002732	1.4238212	1.2854012	1.0111132
HMG-CoA synthase, mitochondrial	0.91298383	1.0361063	1.0483416	0.6513197	0.6286623	1.000001	0.88382/4	1.044/333	0.92932147	0.9502969	1.2004037	0.9300040	1.0105808 1 1656815
Phase-1 RCI-169	0.0940213	1. 1003330	0 8744047	0.0007075	1 2208558	1 3333477	0.00223770	0.0155852	+-		0.8790186	12	0.81812924
	0.037 1270	0.78300073	0.0744047	4 2505274	1 4544266	4 4283052	0.0041843	0.807020	1 007180R	8	0.97276354	-	0.75896
	0.2254438	0.48748418	0 28178208	0.6884713	-	0 93017393	0 93742275	0.87730825	0.90302384	-	0.98576804	0.8308595	0.7005753
hinding amidia		0 4264782	0.20110230	0 5082145			1 0385555	0 9338476	0.81420773		-	0.48111537	0.6926771
		0.10875354	0.200057	0 7345707	0 5410899		0 48938218	0.71818984	0.67619103	-	+-	0.53474665	0.8531842
Dhaca 1 DCT 38		1 4052379	0.8311333	0 7317744	0.7544671	.1	1.1942757	1.1176802	1.3505039	1.4675643	1,1601557	1,1753129	0.9473301
Phace-1 PCT-270	0.59730095	0 75631183	0.48375857	0 9457537	1 0822341	1.190398	1 0262761	1.1621456	1.0632836	0.91295856	0.8972486	-	0.73753494
Transflymetin		0 21396582	0.3407976	0.7236181	0.6545037	0.9452861	1.3479048	1,288237	1.1993573	0.58309968	1,3110855	1.302487	0.57776576
Hendic linese		0.43426326	0.44016546	0.664503	0.6244513	0.68597263	0.7212262	0.8440919	0.908092	1.2869017	٠.	0.80805423	1.0174009
Cytochrome P450 11A1	1.0707425	1,4225867	1.1604086	0.6506808	0.92865187	0,96376175	1.3284726	1,4135617	8	0.95475286	0,52468514	0.6418678	0.8132473
Phase-1 RCT-175	0.6245758	0.5413659	0.7165068	0.8894825	0.9421827	1.1066927	1.4425417	1.0941454	1,0923312	0.9183296	1.4112492	1.1901182	0.90790814
Phase-1 RCT-117	1.1788768	0.8548924	0.8457238	0.9662721	1 296158	1.1448117	0.8684437	1,2388357	0.98380435	1.242084	1.43395	1.1158992	1,4738038
Dheed 1 DCT-137	0.3246517	0 28647116	0.44735548	1 0339828	0.8551493	0.8925233	1.1105427	1,2337664	1,2455503	1.1979705	1.0129396	0.8419915	0.8895667
Melanoma-associated antinen ME491	1 0990117	1.3235252	1.2436352	1,1585406	1.1992077	1.367134	0.85968417	1.0414617	1.073381	88	0.90448207	0.9142397	.82584107
Phase-1 RCT-12	0.988793	1.1604182	1.3559804	0.92362005	0.86110497	0.7859552	1.1512918	1.088557	1.0909538	1,3421401	1,1065127	1,0722913	0.9930476
Phase-1 RCT-152	0.7058618	0.9417084	0.87787974	0.98332715	0.94824296	1.1886969	1,4358506	1.2055336	1.3466654	1.1473169	1.4201219	1.3816962	78038555
14-3-3 zeta	1.3472115	2.0428762	1.3079387	0,9476872	0.89242613	0.83272846	0.95688885	0.9590102	0.9520241	1.1135389	1.3315772	1.1425169	1.2764939
Cytochrame P450 2C23	0.51602936	0.5058299	0.66454506	0.84236187	1.00633	1.1875328	0.70582664	0.82190627	1.0433556	0.8773744	0.6927941	0.66659653	0.99714965
Voltage-dependent anion channel 2 (Vdac2)	1.263572	1.2837512	1.2953727	1.0058327	0.94919634	1.1573129	1.4344728	1.3778384	1.3530191	1.086432	2.0538628	1,9678106	0.9171631
						0,000	00000000	***************************************	4 05 600000	0.040404	1 0600684	4 4800484	4 0000474
Phase-1 RCT-154	1.1625053	1.0583947	0.9765859	1.0426619	1.017515	0.9638216	0.8658128	0.91495564	1.0010373	0.9491001	1.2380331	1.1300401	4 4547703
Superoxide dismutase Min	1.2328404	1.5455337	1.8662498	1.1657478	1,3223875	1.0918903	1.2262337	1.1622386	1.099/310	1000777	1.4023301	1.02/10800	4 0000004
C-myc	1.8423081	2.0737143	1.584699	1.286979	1.032762	1.153/318	1.6251683	W/L/0911	1.324/33/	1.21/4094	1.0904050	1.11/0032	1,0002324
Hase-1 KCI-186	4 020506	4 0500000	1 9073787	1,0337074	4 0705847	0 03202883	4 9743817	1 2240802	1 2995191	1 0193083	٠.	3 27404	1 0680874
Cyding	0.0067970	1.0302200	1.337.340	4 4000367	1.0793017	4 0740448	0.00544462	0 0817041	0.0837243	1 0640647	0.8917338	0 8625377	1 0124044
Cargirantin bo	4 4707462	1,783393	1.00/4288	0 00264606	0.8201052	0.6940784	1 357921	1 222491	1 3202943	0.99146706	1 5239137	1.3973541	0.990631
Obers 4 Der 206	4 258REE3	1 6098799	1 3608788	0.88206995	0 90091777	0.87408054	0 89997125	1.1021888	1.1120857	1.1570783	1.0365773	1,0104114	1.0370882
Dhara-1 PCT-68	1 1950661	0.9561259	1 2978503	1 0494736	1.0830935	1.1013256	1.2920259	1.1587706	1.1729709	1.0420145	1.5095077	1.517062	1.0908796
Caspase 3	1,8112953	2 2256596	1.8804085	0.99387985	0.9669793	1.1012813	1,157303	0.8360038	0.8527527	0.68269237	1.0973424	1.1517892	1.1627322
Apha-tubulin	1,2641197	1.0585104	1,1556638	1.0606853	0.9707009	0.7979809	0.8551204	1.0443726	1.0063668	0.9137441	1.0698215	1.1131703	1,0682535
Ribosomal protein L13A	0.76692665	1,5516144	1,1499544	1.0399258	0.80839678	1.049898	1.2094421	0.95842725	0.97385174	1.0541776	1.2533122	_	1.0345268
IgE binding protein	0.9835704	0	1,3207936	1.0056168	1.1103745	1.2448051	0.9465332	0.9184237	0.9396217	1.1446973	0.85097516	-	0.92624116
Phase-1 RCT-39	1.4129965	_		0.93923354	0.97810453	0.9700981	1.2273827	1.0080364	0.97854008	0.997358	-	_	0.9828932
Cofilin	0.66318154	9	익	0.89617544	0.957858	1.044321	0.826383	0.77117693	0.99331313	9.6556U19	0.7356745	0.605950/6	0.91710126
Heme oxygenase	3.25/8213		5.6134152	1.323/48	1,0404551	4 004 4860	4 0424034	0.7200039	1 0166425	1 0185623	_	_	1 0735934
Prizace I KCI-241	1,0071730	0.842003	0.0/0/903	1 1306710	0.00063683	1.0014003	1 2472284	1 1852968	1 1293918	1 0733988	1 1459048	0.9726019	1,0030357
Dhace 1 DCT 258	1 2405052	_	0 9102606	1 1499013	1 0764107	1.0076262	0.96971124	1.012419	1.0557699	0.9929546	1,2268956	1,0505431	1.0234112
Amininosuccinate Ivase	0.5299264	-	0.70595944	1.0781267	0.83934075	0.93993807	1.1377493	1,1892755	1.1367239	0.7499071	1.5288361	1.339789	0.93860545
Phase-1 RCT-180	0.90055627	0.73105145	0.7775768	0.9281404	0.93233865	0.8751745	0.8582512	1.0432384	1,1505985	1.0967757	0.96478134	0.97716814	0.9022983
Multidrug resistant protein-1	2.064454	2.0380626	1,5686344	0.88557065	1.2932029	1.0923005	0.91248417	0.7349091	0.6637427	0.77235585	1.2728543	1.3562922	1.1525831
Omithina decarboxylase	2.259693	2.0640047	2.1664467	1.1628684	0.85507643	0.8346332	1.130574	0.7855509	0.9002153	1.0718437	1.2900862	1.246349	1.0990022
Thymosin beta-10	0.75439836	0.6606314	0.8194007	1.0188379	0.8641261	0.88884485	1.140737	1.0670395	1.0025921	1.0346295	1.192718	1.4170622	1.0796021
Phase-1 RCT-72	1.5621533	2,053513	1,3572544	2.137234	1.0103525	0.9559264	1.1484046	1.087422	4 4046462	4 1939190	4 27/4807	1.0522423	0.8345928
Phase-1 RCT-109	0.7789074	1.0718118	0.9086197	0.99957	0.8401248	1.08/8533	0.835290	0 0302201	0 9795524	0 9499781	0.82132584	0.8577413	1.1453866
Version membrane emission 1	0.70303030	75	0 54967695	_	1 0241232	1.1465076	0.660881	0,73900837	1.0316813	0.7374774	0,68671596	0.9852183	70989193
VOCAMIO AMERICANO PROCEER I		-											

				1		OJOJE O V	0.00000	4 0004446	0.0328087	0.0817731	1 0288397	0.9214473	1.062089
Phase-1 RCT-158	1.2036846	1.2036846 0.95292294	1,2005549	1.1991078	1.1851.25	1.04/2020	0.0023402	0.000000	0.300001	0.070841	1 0389227	0 9023994	1 043171
Phase-1 RCT-113	0.9136374	0.9136374 0.75235295	0.97783263	1.1131421	0.8903801	1.11395/4	0.78005004	0.3300303	1.1139574 U./BUURINA U.BS00303 U.BS00410	0.013041	1,000,000	0.750000	4 2064074
Endogenous retroviral sequence, 5' and 3'	0.9762037	1.1741261	1,2893927 0,78555816	0.78555816	0.47601545	0,6148866	0.8245942 0.97884624	0.97984624	0.796085	1,1136/20	0.0042027	0.7 303534	100000
LTR				0.00	00000000	Control of Theorem	0 F624424 0 70857826	O TORKTROK	O KORRAGO	0 8900166 0 98981935	0.98981935	1,0581359	0.93807524
Beta-actin	1.3941528	1.4223367	12036/32	0.0910852	7.0001000	0.7000000	0.3001421	4 0570706	0.0367474	4 0440453	1 1736362	1 1776758	0 9765218
Phase-1 RCT-65	1.1608448	1.1476623	1.1476623 0.92043835	1.1733794	1.1283009	CRCC056.0		ON PLOS	1,00001		1 4 4 800 62	4 R08 1074	4 409278G
MHC class I antigen RT1 A1(f) alpha-chain	0.90419998	1.8034426	1,2207135	0.8753545	0.78673077	0.8536856		1.742/201	1.22303	1.1022231	1.410303	100010	4 0046040
Bay (aloha)	1,9108559	1.9692987	1.8977394	1.1718135	0.8674365	0.826158	1.4588511	1.137699	1.1792024	1.0226230	203/134	08047	1.0010313
Control enderstoon	1 188137	1 1852311	1.012857	1.4083107	1,2149515	0.9839226	1.3604774	1.1263167	1.0582131	1.1265755	1.3611407	1.42/6092	70000880
Caroniyi reduciase	0 7532345	0 7532345 0 50745926	0.816336	0.9152606	1,1573838	1.1087626	0.8925862	0.9517408	1.0219064	0.8503513	0.8503513 0.81765246	0.8245312	0.9010813
Deta-adult sequeline 2	4 4507826	1 8088797	1 3984327	1.2453	1.1204749	1.014022	1.0672139	0.9932983	0.9693884	1.0353397	1.0353397 0.97081244	1.0817134	1.0516808
Imeneukin-10	A 740007EE	0 734383	1 0072424	1 0072424 0 87791884	0 6999713	0.7371354	0.8291986	0.98783536	0.8291986 0.98783536 1.0472698	1.0497805	0.9038601	1.0679215	1,0490595
Phase-1 RCI-191	0.7 1092135	0.75665766	0 6462046 O 75665766 O 848/4087	0 8456523	0 74083398 0.85815203	0.85815203	0.8213806	1,1155115	1,1155115 0,99011934	1.0365843	1,1653961	1.014855	1.0770562
Prase-1 KCI-111	0.0100010	75000100		0.749204 0.84249725	0 90613264 1 0891207	1 0891207	1,006167	1,1584975	1.2138932	1,0809549	1.2422289	1.1234995	0.8689664
Apoptosis-regulating basic protein	0.047/03/	0.4 000303	1.	0.01210120	0 5788704	0 5785701 0 76778734	1 4713881	1,1184366	ı	1.2605731	1.37693	1.6712604	0.7558854
Clutathione peroxidase	0.4204497	ľ	. 1	4 0845012	0.8149808	0.314080R 0.8925702R	0.9168713	0.95626044	0.9168713 0.95626044 0.97698456	0.9842565	0.9389484	0.8785098	1.0072464
Phase-1 RCT-239	1.1/00024	,		1 0540544	0 800118	0.8713805	0.9367615	0.9367615 0.96703905	1.0352607	1.0721896	0.8362818	0.9082204	1.0025098
Phase-1 RCT-67	1.288//21	1.0330201	_Ł	1,001001	0.000010	0 078458	4 2084645	1 1824938	4 2084645 1 1824938 1 1322019	1.0216343	1.1303973	1,2929962	0.9647229
Tryptophan hydroxylase	1,0723176	1.0336851		20074040	4 6252250	1	4 0384050	0 90919125	1 0384050 0 90919125 0 82692975	1	1.0948322	1.0472127	1,1241641
Sufforransferase K2	1.1282729	1.06694	1,3151235	1.3151295 0.99719183	1.0233238	0.00000.1	ı	0777777	4 2762779		1 2458747	1 3593439	1,0087268
Calgranulin 89	0.9702691	┙	0.7997505 0.94470775 0.7875611	0.7875611	1.1282861	1,1282861 0,81872356	1	ı	1	4 47/798	4 2250852	4 1701644	1 0492045
Phase-1 RCT-123	1.1868676	- 1			1.1407896	1,0248/16	1.048335	1.102/435	1,000131	ľ	1	1 1408637	4 0202030
Phase-1 RCT-98	0.71783894	0.7106548		0.9396396	0.8727683	0.8727683 0.98073053	1.0845102	1	- (4 4008430	0.0022744
Aniaborin-3 (AQP3)	1.1520977	1.1520977 0.95811427	1,1007556	1.1570355	1.0328603	1.0033718	I	- 1	- 1		1.0000	0 700544	0.03227
Steant-CoA desaturase, liver	0.27536902		0.18990591	0.25035724	0.36362082 0.18990591 0.25035724 0.060831975 0.0647125	0.0647125		- 1	"	- 1	3.4811.003 0.00163940	4,000	0.320 101 02
Phase-1 RCT-64	1.0454888		1.0963525	1.0963525 0.75803167	0.58966446 0.86853504	0.86853504	1.5298907	1.0737313	1.031491	1.1343285	7.19505/	1.00032	1.11/0
(1) Gene expression data for 24 hour													
timepoint are presented as mean ratio of	_												
treatment/control for all 24 hour predictive													
genes (Table 5).													
(2) Compound and dose abbreviations as in													
Table 1.													
(3) Individual animal number													
(4) Liver inflammation classification for													
compound-dose group at 72 h: yes-nect,												•	
necrosis observed; yes-both, necrosis with	-												
cheered													
(5) Predictive gene (as in Table 5 and as													
included in Table 26)													

Table 29. Expression Data for 24 Hour Timepoint (1)													
	7	Ī	Т	Т	Т	T	I	T	Т	T	Т	T	TAMES
Compound-Dose (2)	OUIN 25		OOIN 100				SIRZZU	_	S 182 /5	-	31 174	PVV C WY	4445
Animal Number (3) Liver Toxicity Inflammation Classification (4)	no 2545	no 2546	00 Z554	2992	92	02 U	0	01	92	g	QL QL	_	9
Const Name (6)													
Garma-actin, cytoplasmic	0.7852165	0.81067675	0.9609373	1.1256561		1.3477448	1.0740211	1,1053953	1.3470589	_	Ш	1.1163969	1.1396797
Phase-1 RCT-145	1.007058	_	익	0.9460653			0.9357027		0.82097584	Ľ		1 4405040	1,0003044
Gadd45	1.0285738	1.2553918	1.0118573	0.96457124	1.1345664	-	0.89372355	-	0.95405614	_	7	1.14(5010)	0.004697
Phase-1 RCT-78	1.1466976	0.884071	1.1764361	1.0111942	1.340157	1.1784865	1.1333748		1,158/545	4	1.013/249	0.927.059	4 4028084
Fas artigen	0.98199195		1.0220205	1.1587229	1.1620443	4 2000444	1.0831752 4 4258403	1,0543/03	0.83003080	0 99636626	١-	1 0952287	1 2709835
Macrophage Inflammatory protein-2 alpha	0.95078284	4 4477582	1.0361364	1.0484362	1.10/0929	1 0735962	1.0158949	-	0.86709684	_		1.3250773	1.3765707
Dhase-1 BCT-307	1 0457318	10	0.98472553 0.97579708	0.97579706	1.0530084	1.0709745	1.0714896		1.0621737		1.1568118	1.0936779	1.0143628
Aspartate aminotransferase, mitochondrial	1,0382701	-	0.827469	0.7728044	0.9003536	0.6772659	0.7837154	0.832296	0.7388211	_	1,0449861	0.9217649	0.9700559
Casein-alpha	1.0010295		0.94937515	1.0324124	1.0350437	1.1677748	0.9275853		0.7109289	_	_	12447197	1.001782
Malic enzyme	0.99662274	0.8581665	1.0879674	1.0528708	0.9240845	0.9589806	0.8027186	0.9522904 0.85358687	0.85358587	0.70874584	0.77104355	1 2026508	0.01784585
Phase-1 RCT-30	0.91687566	4 463304	1 1007558	4 1008503	1 7387507	1.30/1083		1.2462012	1.0532155	┸-	1	1.212712	12272801
MAD kingse kingse	1 025793	1 029203	1.0442379	1.0665947	1.0623115	1.0542889	1.0260231	0.8441146	1.0229635	0.9517219	0.8353824	1.0452118	1.1314787
Sodium/ducose cotransporter 1	0.91681087	ō	0.9006175	0.8253368	0.8274127	1.0942768	0.871698	0.8329341	1.4295888	1	ш	Ш	1.1161205
Phase-1 RCT-27	0.7794683		2.1187859	1.8616985	2.0657701	2.1138368	1.8882006	1,4831718	1,4831716 0,43435246		_	Ц.	0.2840304
Phase-1 RCT-50	0.99737835	-	1.0178111	1,1140054	1.0114877	1.1989232	1.01556		0.8354489		띡	1.0209101	0.9537049
Phase-1 RCT-192	0.9028577	듸		0.8834555		1.057005	1.0954647		0.97682005	_	4	1.0043381	0.2650/023
Phase-1 RCT-288	1.0353199			٠.	~ [0.71795076	0.8025844	4 0500000	0.8659523	4.004048	0.0553837	1.0673664	0.7603662
Phase-1 RCT-37	0.9560975	_		0.95055336 0.9788421	0.9580015	1.3863/44	0.710077	1.0308836	0.65/8/82	٩	┸	1	1 0040284
Organic cation transporter 3	0.9441845	0.970/84		0.99532425	0.91803624		n 80323744		0 7798118		上	╄	0.85846466
The foces amfain	1 0538012	_	0.923312		1	0.91480625	0.9364402		1.1290588				0.9198084
Caloranulin B2	0.93609	Ľ	0.92309976	0.8428718		1.0917627	1.0917627 0.93958026	0.8970895	0.9060368		7	ш	0.82151717
10-1	1.0884262	-	0.9864688		0.86385596		1.3296186		0.91884536		1.2654868	4	1,2200742
Phase-1 RCT-92	1.050027		0.9051601	_	_1		0.94226485	_L	1.2711844			1	1.0230319
Phase-1 RCT-115	1.0564423	_L	1.0603994	ㅗ	_	1.4980248	1.0389606	1.13/1324	1 5631737	4 7005036	1 4685287	1 3033671	1 6091503
Matrin F/G	0.90608	1.0432537	1.0802516	1.04411/3	1.04411/3 1.1223143 1.1380249 0.00258855	0.84240746	0.914158				┺	1	1.3272514
Mutt. normologue (MLT1)	0.9043017	ᆣ		0.9844981	0.89179313	1.3072369	0.9227959	╙		┺	_	Ш	0.99834895
Sorbitol dehydrogenase	1.1350863		Ш	1.1395812	Ш	Ш	1.471745	ш	1.3436784		_	1	1.1717974
Phase-1 RCT-24	1.0298623	_			_		1.4512165				_	12/288/	1,56508/4
Calgranulin B1	1.0273162	1	٥.		0.9944661	1.0301216	1.2003/84	1.2003/94 1.203/949	1,458,3907	1 1774759	1 0589889	-	0.9046323
Elongation factor-1 alpha	1 0.36/3294	0.784013	0.7354151	0.6239225	-		1 2334241	1.0544437	1_	↓.	╄.	L	0.3910599
Phase-1 RCT-33	0.9758685	1.1426284	<u>L</u>	↓_	0.9256947		1,3986614		Ш	1.0576588	Щ		1,1971983
c-lun	1.0756098	Ц	Ц		1.2189103	ш	1,5361661	1.8345221	1.6257607		_	_	1.4223489
Phase-1 RCT-233	0.91551703	0.9237704	1.0206192		_		0.8459181	_	1.286678	ᆚ	4	4	1.0546442
Phase-1 RCT-36	0.9509437	4]	익.	_	_	0.85676557 1.2365443	1.0139662	0.89861486	0.9188324	0.6774523	1.07.30030	1 2406824
Phase-1 RCT-242	1.0514591	4	4	4	1.00200.1		4 4646504			+_		G	0.9245121
Prese-1 RCI-181	1 0301177	0.8900598	0.3614028	0.6851133	9	1 0009718	0.87953436	0.9432334		L	-	Ψ.	0.79139805
Dhasa 1 DCT 170	0.0538174	L	┸	_	-	L	1.1375991	1.0210108	0.95322895	1.0280899	1,2578241	0.8873519	0.83803976
Phase-1 RCT-144	0.96390766	1.0333773	1_	_	0.98568356		0.9266033	0.9378998	0.9421235		Ц	Ш	1.0754018
IKB-a	0.9152643	L		Ш	-		1.0467517	0.9837572	1.4217272	_	_	4	1.3327402
Phase-1 RCT-225	1.1336652	_	_			_	1.5560852	┸	1.3161542	_	-		1.0364285
60S ribosomal protein L6 (alternate clone 1)	0.95300704	0.86215115	0.91420776	0.90515894	0.89206386	12932541	1.1607488	1.0629187	1.2991239	12546222	_		0.8741485
Beta-tubulin, dass 1	0.9580359	0.970106			1.1306348		1.79074	L	ш	ш	L	ш	1.3223321
Multidrug resistant protein-2	0.998189	0.998189 0.98948175	1 1	0.9573132	0.968295	1.6365651	1,3122982	1,4545772	1,4644339	1.4995783	1.1205508	0.8736591	0.7705308

07.100	100000000	4.000010	100,000	10000000		100001000	2003040	0.000	100000000	1 arococor	115400171	1200000	4 0000040
Calorandin 83	0.9930256		0.9820188	_	1.0785264	0.9648402	1.1185992	1.0457737	1.023188	1.0469928	122459	-	0,80622556
NADP-denendent Isochrafe dehydrogenase.	1.0701575	1.0487808	1.0040035	0.964446	٠.	0.78381294	1.0555737	0.8372254	1.012501	+-	0.97065926		0.96430236
cytosofic										_		_	
Octamer binding protein 1	1.0866456	0.80814147	0.97677565		0.9729032	1.1466955	1,0056322	1.2806407	1.0965247	1.1845058	0.9782473	0.7500978	0.9103455
Sodium/bile acid cotransporter	1.1184043	0.82268167	0.93713516		0.72652906		1.075808	1	1.1376054	_	0.8549092	0.5457214	0.5639889
Phase-1 RCT-174				0.9919545	0.8679339	-	0.94429755	_	0.69615686	_	0.83780277	1.1745821	0.9632975
Phase-1 RCT-77		-+	_		0.8088483	0.9441401	1.0786273	1.0244924	1.6146954	_	-	_	0.9059492
Inositol polyphosphate multikinase (Ipmk)4	0.87227046	0.9927683	_		0.63020843	1.1182985	1.0955241	1.1643256	1.8084167	1,500347	-	-+	0.44314042
Phase-1 RCT-258	0.87699854	0.9074374	-	_	0.8930183	-	1.1243145	1.0735602	1.0020328	1.2191371	-	1.200487	1.1759692
Equitorative nitroberzylthiolnosine-sensitive	1.002388	0.82169926	0.96100885	0.8252681	0.96252364	1.0478361	0.83774215	1.0225239	1.3581177	1.0764098	1.0087327	0.81206906	0.8289047
CDK 102	1.0639113	1.0128525	0.9750206	0.9119928	0.9658579	1.1311054	1 2255654	0.9485957	1.0345005	1.1234678	0.868834	1.0696106	0.95978963
Phase-1 RCT-209	0.9637778	0.95019495	0.8955193	0 9406372	0.9280315	0.8485032	-	ļ	0.78443253	-	+-	-	0.7332911
NADH-cytochrome b5 reductase	0.9833354	0.86916363	0.9272083	1.023861	0.8765142	1.0549974	-	-	1 2834253	-	_	_	0.69937545
Dynamin-1 (D100)	1.0046074	1.0061039	0.9741057	1	-	0.83030593	0.9423155	0.9692766	0.7540751	0.8819521	1	_	1.1078846
Senescence marker protein-30	0.94298285	0.74287903	0.6931003	0.6638716		1	0.96540123	0.79748696	1.0540508	1,5200514	1.0492301	-	0.58580418
Phase-1 RCT-89	1.0229722	0.90531534	0.8845675	0.877543	0.9362538	1.0719113	1.1987218	1.0077924	1.4771751	1.3149458	1,201048	0.9079235	0.7999156
Camiline palmitoyl-CoA transferase	1.0868021	1.1992592	1.2698808	1.1410227		0.99084836	1.0118044	1.1892014	1.1827544	0.92660487	1.270202	1,3241549	1.2575898
Alpha-2-microglobulin	1.2020477	0.71681833	0.81051886	0.41642928	1	_	0.79940134	1.2029265	1,6780962	1,1326364	1,5004939	0.8138441	0.5437435
Apolipoprotein Cili		1.171068	1.0090351	0.74594826		0.64524513	0.71440274	0.86821395	0.92350626	0.794842		0.97288316	0.8539191
Cathensin L. sequence 2	0.94900775	0.79836977	0.8187811	_	-		0.9688725	0.9055718	1,4306892	1.1899192	0.80566186	0.5541354	0.4778928
Phase-1 RCT-141	1 0636032	1.0177358	1 422222	_	1,6023269	0.9831186	1.238521	-	0.88898194	1,0038116	1.1940575	1.4434525	2,3190885
Phase-1 RCT-289	1.0625752	0.9295869	0.87904555	0.8516238	-	-	0,84992874	_	0.938342	1.141842	1.3422586	-	0.66209316
Endothelin-1	0.9992819	1.0112195	1.1238045	1.2632885	٠.				0.76880115	0.8287108	_	1.0163469	1.4956217
Phase-1 RCT-282	0.94506997	1.1088796	0.95240647	_	0.98943593	1.0983454		0.98935646	0.79607844	0.86831415	0.8926953	1.3438277	1.1132413
Phase-1 RCT-140	1.011238	1.044291	1.0207866	-	1.0696429			_	0.9605994	1.0747952		0,85161877	1.0460509
Cyalin D1	0.7620281	0.8634252	0.7953083	0.84079397	1.1737216	1.0278188	0.8383309	0.8499581	0.9565976	0.7941703	0.9069425	0.9409637	1.230495
Phase-1 RCT-287	1.1677316	0.9368616	1.0715622	1,0944834	1.007535	1,1026962	1.0888463	0.8959287	1.110395	1.043219	1.0032619	1.0631073	0.90673584
Phase-1 RCT-281	1.0230012	1.0012152	1.0430083	_	0.9940937	_	0.90071744	0.9635299	1.0275817	0.9845415	긎	943	0.957206
Retirol-binding protein (RBP)	1.0378115	0.818038	0.9357709		0.84242517	_	0.91766316	1.0385827	1.612135	0.9556487	-	-	0.62889695
ATP-stimulated glucocorficoid-receptor	1.1151475	0.8172192	0.9485436	1.2045379	1.1407628	1.5375106	1.3481389	1.312052	1.621759	1.6003313	1.3418268	0.8507703	0.5750016
translocation promoter (GyK)	00000	,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,	, 20000	00000	100000	0,000,00	10011001	4 050004	000750	200,100	4 20227907	C 200000	4 0404040
Friase-1 RCI-60	0.91240300	0.0043834	1.0123074	1.100/30	1.0430000	4 4246006	4 4000254	4 220070	4 4465040	4 4550004	4-	0.002000	0.0064447
Pythygie Kingse, muscie	0.90020913	0.600000	0.000000	4 02021324	0.9009033	00404040	1.1800231	4 030008	4 0244840	0 000 1 555		4 474446	4 4447694
PAR meracing protein	7/000070	O.Bosozno	0.8370233	1,0282124	0.3942010	0.8184243	1,000011	1,040,040	1,000,000	0.3831300	4 4520404	4475700	4 5000047
Nucleoside diphosphate Knase beta Isotom	1,017,5697	1.0929716	1.119614	1.24368	1.231465	1.1546963	1.1436331	2190810.1	40546	2.07.0.T	1.15561.1	20/0/14.1	/ Lochoc L
Gadd153	0.96706814	1,4260406	1.069338	1,1542411	1.1382078	1.0789173	1.1404984	1.1499121	0.98885217		0.93949753	1.2024871	1,3005846
Insutin-like growth factor binding protein 1	0.8610951	1.1802	0.9958953	1.2431123	1.1284914	1.1971848	1.2669328	1,4227348	1.4674399	1,3085507	1.0652021	1.4124533	1.7582249
c-H-ras	1,2330941	0.93784416	1.1203698	1.1520313	1.2075806	1.1661129	1.1455288	1.1605514	1.0756544	1.0217382	_	1.060263	0.9604461
N-hydroxy-2-acetylaminofluorene	1.0369519	0.89925885	0.92438783	0.69424874	0.96485156	0.89473444	0.7487291	0.8607351	1.5697435	1.1276206	1.024573	0.74249804	0.6612911
Sulparational Services	0.000	4 0000000	4 4000700	4 0014700	2000000	4 4 200 4 00	4 6059764	4 000004	4 7554054	4 50407	4 43470714	175160000	0 70587777
Mase NOI-92	0.3070372	0.0202020	0 8072026		0.53200283	0 8205/82	1 1247235	1 0052782	1 5000026	1 303538		0 6899033	0.87918354
Story conferentials	0.033	0.02031920	1 0416982	0 91446877	1 1147645	1 1142302	-	0.89175624	1.1015587	-	0.81204474	1.0390779	1.2146794
Omach anim transporter 3	0.97397588	0 9001047	0.87251204	0 64836514	0.8844133	1 2361566	1 026043	1.1766984	1.5992687	_	1.0179522	0.8815925	0.7192455
Calomentin B4	10181944	0 99969125	1.1806769	0.9523084	1.0404435	0.8296471	1.0776668	1.0704232	0.9660404	0.98068875	1.1809413	0.92105454	0.9676013
Phase-1 RCT-182	1.143107	0.85913014	0.8404985	0.9309737	0.8047298	+=	0.93657637	0.96771026	1,2275738	0.9116788	0.7936931	0.8728008	0.8199645
Calgranulin B8	0.9168408	0.9189309	_	-	0.91018313	1,2608978	1.1887096	1.0273874	1.3433119	1.1286194	1.101225		1.2059407
Aldehyde dehydrogenase, microsomal	0.9930798	1.1237928	1.0857381	0.9387663	0.9761251	0.7587779	1.2963977	Ŧ	0.8723847	1.0815754	1.3593597		0.85215414
Phase-1 RCT-128	0.98179543	0.9459377	0.8776458	0.7291102	0.833624	0.787941	_	0.9548848	1.1235951	1.018373	1.0658041	_	0.99481493
Phase-1 RCT-102	0.9046398	1.010012	0.7661107	-	0.6796662	0.6052773	_	0.66034746	0.63941276	1.0148526			0.41182372
Preproalburnin, sequence 2	0.8514194	0.8125713		-	0.71481633	8 8	0.8845276	1.0800436	1.3096983	1.06311/9	1.556386	-+-	0.42/1080/
Apolipoprotein Ali	1.0004927	0.5146654	1.0455085	0.84840775	0.6100308		0.70509624	1.2036681	4 4004757	1 1534073	-	0.71602607	0.25846836
Photo 4 DOT 40	4,000,700	4 4254644	0.50271143		0.93013200	4 0444327	1 3007006	4 4020485	4 0747244	4 5240586	1 526652	0.8494929	0.85299R1
Dhase 1 DCT 8	0.055700	0 88938534	-	774	73994994	0.8789026	0 9785463	1 054927	1 3103769	1 0385851	1 4316384 0 69267666		0.45688408
TRIBGE I NOTES	0.0010107	U.Googga	-		U./ 00070071	Violence of	U,qr correct	1.0010011		1.222221	1. 222 127		

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					20121	1,202,000	10001	01100011	4 4 400000	4 0075004	4 4507408	0.0747604	1 6787001
Phase-1 RCT-168	0.9626336	1.0635265	1.126018	1.0954902	0.945425	0.8252074	1.0235/82	0 020257	0 77669364	0 8670317	1 0210425	0.9071384	75413084
Phase-1 RCI-88	1.0301274	0.8200400B	1 2453204	1 365858	1 3496978	1 1538928	1 4724357	1.1438127		X	0.87108195	1.0121392	0.6965404
Phase-1 RCT-298	+-	1.2038747	0.9747702	0.75234604	0.8411648	0.7363155	1.1081543	0.98496073	3896	-	0.87167317	0.87375146	0.9325886
Carbonic anthydrase III	1,0082513	0.7632411	0.53893745	0.3010709	0.8195228	1.3401947	1.0709704	1.3699518	1.7898778	1.5241112	1.7230647	0.8151803	0.3897834
Phase-1 RCT-291	1.0306625	1.1111158	0.95588124	0.96991533	0.92581695	1.1226672	1.0325527	0.8712271	1.2252909	0.0997348	0.83357924	0.9789052	0.9685076
Carbonic antrydrase III, sequence 2	1.1086942	1.1742051	0.95950806	0.82057494	0.900701	<u> </u>	0.87870806	0.9544852	13404577	0.9920154	1.6947145	0.743914	0.6613489
Phase-1 RCT-271	0.9738002	0.85153866	0.89131117	0.5996124	0.7158492	0.8445312	0.9606769	1.0906459	1.0445526	4.35/3902	1,3313034	0.007.26303	1 0420884
HMG-CoA synthase, mitochondrial	0.917643	1.1165241	1.1243532	0.84306204	1.0221483	1.6453323	1.9195310	1,9199214	1 0249255	1 0374464	-	┯	0.82178545
Phase-1 KCI-189	1.0202321	0.0303413	0.95333686	0.87758978	9950196		1.1479387	1.1051462	1,5968108	1.3704922		_	0.87603307
Unicacy protein 2 precursor	0.84081197	0.7839512	-		0.984867	0.7046531	0.72642994	0.6989516	0.9941211	0.95228785		0.8073878	0.6449877
Paraoxonase 1	0,89988595	0.7902314	0.8413775	84064	0.77330923	0.78609186		0.79376924	1.4776933	1.1580447	0.8590479	-	0.6677387
Liver fatty acid binding protein	0,8121716	1.03972	0.9640737	0.8452461	_	0.63484955	0.74001676	0,6184926	0.47452337	0.8875213		-	0.87157674
Presentin-1	0.79292184	0.63820785	_	-	0.68129206	0.8630169	1.2250683	1.0550628	1.6514283	1.2379771	1.4173453	0.6989571	0.7061153
Phase-1 RCT-38	0.81842977	0.83365154	0.92046434	0.75060743	0.8808454	1.1516895		1.0588715	1.1786852	1.2169982	1,0385/98	1626022	1.1350448
Phase-1 RCT-270	0.87229747	0.8671903	0.9313459		0.7747057			0.97343373	1.3284816	1.1876316		-	1.3286765
Transthyretin	0.75414246	0,78611517	0.88192785	Ö	0.6116468	-	_	0.78283507	1.2423944	1.05/6386	4531	0.45345435	0.41120667
Hepatic lipase	0.7683316	0.9481161	0.82465863		0.77419335	0.55935204	-	0.83155406	0.8980203	_	뉗	27050701	0.300,0020
Cytochrame P450 11A1	1.1494527	0.83229357	0.90932196		0.7508291	1.0726095	0.83228	0.9185428	4 400020	1.1013143	1 224463	0.827302	0.6274773
Phase-1 RCT-175	0.91651344	0.9033226	0.8217822	0.79281354	0.8372471	1/116578.0	1.10001	1,0351917	1.103263	7453474	0 80078433	1 0004379	1 85283524
Phase-1 RCT-117	1.0282917	0.65180314	1.2029939	1.4547287	1.2879188	1.077324	1.383984	0.9890829	0.704007	0.7 103424	0.0572000	1 2208855	1 3277155
Phase-1 RCT-137	0.85798925	0.81906307	0.80783385	0.7396754	4 403856	0.66863866	1 0805004	0.7409303	1 0669028	0.852495	0.8111453	0.9690505	0.8992939
Melanoma-associated anugen ME481	10.9243447	4 0252530	1 0855843	4 1710409	1 1247035	1 5924273	1 8147745	1 6903733	1,4308733	1.381384	1.6210648	1.2306056	1.2250264
Prase-1 RC I-12	1,0124070	CACCACATA	1.000000	0.0354856	0.9851281	0 9665308	0 8927398	0.85144794	1.1782383	1.0025393	0,81166875	1.0241166	1.1132532
Friase-1 RC 1-132	4 0724088	4 2248434	1 0150006	0.0746005	1 0861968	1 2149022	1 256 2095	1 3281392	1.2118232	1.3416649	1,4342045	1,26242	0.9885881
14-3-25th	0.9113564	1 1256973	0.74722856	\perp	0.8608718	0,6615791	0.75548583	0.6005332	0.8267623	0.8034477	0.8957005	0.6547898	0.72450095
Voltage dependent anion channel 2 (Vdac2)	0.96772325	0.9878281	1.0370538		1.0163696	1.4791473	1.2455173	1,2403063	1.4447078	1.2571138	1.0267018	1.0479021	0.9194485
			_								020000	1000000	00000000
Phase-1 RCT-154	1.0677317	1.0480802	\sqcup	ч	0.88104477	0.82646847	0.9249573	0.9491705	0.8559869	0.9516622	1.1172873	1.030/691	1.92239085
Superoxide dismutase Mn	1.2121351	1.1491693	_	_	1.1217158	1.5086656	12944945	1.2167249		1.2880502	1.1104064	1.1302496	1.2395401
c-myc	0.95559426	1.38997	_	4	1.0153041	_	1,0307853	1.1125144	1.0040494	0.90788543	0.737479	0.00046403	0.9555607
Phase-1 RCT-196	1.1654598	0.9112936	0.88870233	_	0.8986986		0.86707354	4 0000000	1.00/80.F	0.040/023	4 020R0K4	1 3617008	1 0236127
Cyclin G	0.95917356	1.1050354	1,08180.1	1.2330463	4 0400000	0.0049960	4 0282724	1 0523713	0 8665775	0.8625928	1.0656863	1.031778	1.1980288
Calgrandin 85	1.0236484	1.10/3/4	0.00630743		0 97028714	0.80462956	0.82594377	0.94280684	0.748112	0,8414868	1,0803164	1.0822004	1.0618148
Door DCT.205	1 0224509	1 0291259	0.9850021		0.99810555	0.81603837	0.976715	1.0291564	0.9717954	0.94104564	1.0489849	1.1917849	1.0237417
Phase 1 RCT-68	1.069448	1.160955	1,0912114	1.0918872	1.1003314	1.2883646	1.2135209	1.1382263	1.0011362	1.011728	0,9167155	0.9859036	0.9088465
Caspase 3	0,912863	1.0762959	0.9956569	0.87156445	1.0251124	1,6552763	0.8423427	1,388284	0.8342526	0.82171476	0.91788083	0.97616273	1.104268
Alpha-tubulin	0.9758767	0.9851332	1,0509107	1.2716002	1.2477416	0.60945344	0.7208965	1.0939667	0.76501805	1.14213	1.0593581	0.9328755	1.3576531
Ribosomal protein L13A	1.0184661	1.0735252	1.1131294	Ц	1.1418567	1.1540728	1.1774577	1.1006299	0.8147422	0.9426771	1.0894018	1.0544791	1.1076297
(gE binding protein	1,0171276	0.94852364	0.95128024	-	1.0912433	0.9948488	1.0022893	0.9389134	0.83943444	0.8658152	0.8705272	4 4247707	0.07557044
Phase-1 RCT-39	0.96462244	0.94792676	1.0064684	1.0041528	1.0701339	1.216671	0.94552916	1.0215226	4 4260284	4 0362422	1 3416705	0.6973918	0.85122484
Cafilin	1.0633426	1.0094491	1,00/9/21	0.88644/9/	0.9549(165	4 2600838	1 0491647	0 9968744	1 2814184	1.0916878	0.94113505		0.75652295
Heme oxygenase	1,0019800	4 0777950	-	-	1 1794724	0.7512681	0.9577642	0.9198783	0.7921698	0.9096025	0.984166	1.2144864	0.9397647
Dibecomal anatola So	7 9434375	1 0869831	9	╄-	1.015663	0.7851292	0.75079256	0,8315102	0.7200231	0.9332525	0.95334464	0.93480486	1.027136
Phase-1 RCT-258	1.0386927	0.96177155	1.5	ഥ	0,9675319	0.87636584	1.0726936	0.9804647	0.83604324	0.83778235	1.1221821	0.9851441	1.0022857
Arginiosuccinate lyase	0.99188185	1.1279936	1,0892242	1.0297531	1.0519974	1.7690759	1.774477.1	1,744718	1.77208	1,5136764	1.3133042	0.6569269	0.83425707
Phase-1 RCT-180	0.9802226	1.1095995	0.8750562	1.2420223	1.0840552	12287831	1.2865108	1.0529449	0.9915987	1 0810274	1.1543093	0.90904254	1.0307662
Multidrug resistant protein-1	1.0068806	1,0287322	1.0514964	1.0453125	1.0121155	1.4858279	1,5504433	1,6577082	1.4090886	1.5464647	1.159337	1.0745623	1.0417026
Omithine decarboxylase	0.85112405	1.0366936	1.097515	1.0889164	1,1012329	1.2317274	1.311825	1.1287411	1.0679945	1.0621027	1.4438003	1.2171279	1.1/21662
Thymosin beta-10	1.091519	1.1393633	0.9748127	_	1.0975269	0.91042185	0.92111206	0.9949377	1.0273925	0.97284156	1.2153684	0.87801884	0./9330/4
Phase-1 RCT-72	0.9248243	0.7968872	0.68524103	0.95190275	0.8610436	1.1842612	0.8640371	4 0000154	0.7452941	0.0742406	0.00204300	1 0363775	1 1446784
Phase-1 RCT-109	4 0454042	1,0069/88	1.0628793 4.0650588	1.1692456	1.09/0207	0.94/0059	1.U2U40U7	1.0000421 0.9385833	1.0808346	0.9634235	1,115407	0.92896545	0.8697575
Prase-1 RCI-78	0.0124012	n 77288178	0 7424507	0.7878682	0.7628506	0.7832554	0.685981	0.9807259	1.3868848	0.9348358	0.91543067	0.7742209	0,80894107
Vacuole memorane process 1	1 U.ST 2401E	0.72200111	0.1464441	0.101000	0.1 040000	D.1 VOLUM	*******						

											20000000	1 4018BA	0.8018361
Bhoca 4 DCT.458	1.0148227	1.1017035	0.9560567	1.0585519	1.050628	0.8269326	0.9284894	0.0563934	0.0563934 0.66258585	0.7610/42	1.924078	4 4406335	1 0075788
Dhaea 1 BCT-113	1.096048	1.0668063	0.9750057	1.0008209	1.1416544	1.1416544 0.93089485	1.1708586	1.0635501	1.0635601 1.097695		4 4508054 0 07001303	4 4878952	0 9295333
Endopenous retroviral sequence, 5' and 3'	1.1640471	1.1201609	1.1097418	0.9736523	1.0721242	0.9431126	1.1513983	1.1397002	CSCOOKE L	1. 1308003	978.0		
LTR					- 000000	00000	12000001	9 1053273	1 7297508	1 8680906	2.549134	2.549134 0.83648014 0.80573978	0.80573976
Beta-actin	0.9972961	1.0483242	0.9683816	1.1216648	0.9036032	1.4103093	1.4022204	4 7004B18	4 487197	1 6407164	1,671033	1,1258929	1.1501768
Phase-1 RCT-65	0.9494342	0.94576836	0.8484342 0.84576836 0.98488736	1.0945808	1.05/68/4	2242832	1.00/1002/	2 000000	4 7028787	1 7893381	2 3595812	1.105002	1,4922587
MHC class I antigen RT1.A1(f) alpha-chain	1.038332	1.0886954	1.2294574	1.3138031	13111023	3.1077893	2369128	1 552704	1 251 1677	1 2055025	1.0271983	1.0757004	0.5099394
Bax (alpha)	0.9440558	1,2334515				1.46/548/	1.0100004	4 404059	404059 O BOTABESOA	0.8692865	0.98023885		1.1759313
Carbonyl reductase	1.0167141	0.9993196	1.0549412	1.1399708	1.0944912	0.8984652 0.90174000	0.90174000	4 4545853	4 0725745	1 1902238	1 8365577	0.8537802	0.86911565
Beta-actin, sequence 2	1.0589771	0.9653406		1.0218853		٠,	4 4035737	1 3302443	1 1265173	1 1031252	1,2104101	1,3249478	1,5959098
Interleuldin-10	1.0909957	1.412309	- 1	1.1564538	1.19.38bo4	200880201		4 506749R	1 7349277	1.466132	1.6392224	1,2335364	1,3052152
Phase-1 RCT-191	1,0046977	1.0667682	1.0659876	122/8448	1.1304930	1,3972130		4 1189674	1 4987748	1	1,1867015 0,97043365	0.9520959	0.9859154
Phase-1 RCT-111	1.104604	1.1510416	1.0445653	1.04412/	1.04412/ 0.98934343	0.000100		0 7184358 0 01304314	0 9114432	_	0.98818296	0.8841368 0.69202673	0.69202673
Apoptosis-regulating basic protein	1.0422335		_	0.7478774	U.7418/14 U.6284000	0.1021000	O OSEAROR	O 0864505 O 88291136	0.84944	0 84944 0.9973477	0.7399288 0.69595164	0.69595164	0.7437194
Glutathione peroxidase	0.89220715	- 1	0.9239338	0.739487	0.01135	0.000000	4 5643377	1 1344803	0.81231797	4 5647377 4 1944893 0 81231797 0 98500335	1.1478316	0.8662068	1,0461627
Phase-1 RCT-239	0.88775057	1.1310729	1.1310729 0.99562657	0.9545693	1 000000	1.3003000	0.0000000000000000000000000000000000000	0.0639871	0 73397254	0 87847 0 678574 0 81699175	0.9632534	1.0723773	1.0118941
Phase-1 RCT-67	1.0162293	1.0567017	_1			0.02043	4 00006	4 0053418	4 00206 4 0253418 1 05082891	1 1031252	1 1031252 0.82768455	0,9799106	1,3011048
Tryotoohan hydroxylase	0.9912008	0.9648229		1.0066165	1.1268107	1.2215010	000000	1,00300 1 6247054	1 3560687		1.111904	0.8514434	0.8514434 0.63824686
Sulfotransferase K2	1.2202895	1.4116209	1.017352	1,0624884	1.0992692	- 1	1.1920002	0.0007244			1 138858	1.0642334	1.1276411
Caloracelin R9	0.97826624	0.99737465	0.97826624 0.99737465 0.86068285	0.941939	0.941939 0.92991155	- 1	1.1000/73	0.80027014	0.03447738	1.1066/73 0.5002/814 0.83441111 0.500200	۲	1 038028	0.89029795
Disco.1 DCT.123	1.0025271		0.7849307 0.95636404	1.068137	1.068137 1.1618915	- 1	0.9700902	0.54300004	0.7407730	2 0144440 0 00310141		1 0184827	1 0093482
Chase-1 RCT-08	1.0888531	0.94877964	1.0888531 0.94877964 1.0214226		1.0007124 0.97912604	- 1	- 1	1,0369001	0.000	1.1263136 1.0399061 0.054416 0.0632220 0.053465	O SBRJGAGE	0 9508794	1 1489888
Antamorin 3 (AOP3)	1.0199194	1.0380876		0.9851961	0.9651961 0.9776556	0.9964916	0.9566368	O.Bestozyou	1,0050797	0.50101900	0 6041868 0 84386516	4 4283376	3.4595988
Stephen Cot decaturase liver	0.41482365	0.41482365 0.45271632		0.27969167	۷	0.32892884	0.34876445	PCT6/6/.0	_1_	4 4040000	4 400778B	1 1050738	1 4807433
Phase-1 RCT-84	1.0495988	1.1683632	1.2218869	1.2549664	1.1078914	1.2762228	1.3449407	1.3484228	1.200.1				
10.001													
(1) Gene expression data for 24 hour													
timepoint are presented as mean ratio of													
treatment/control for all 24 hour predictive													
genes (Table 5).													
(2) Compound and dose abbreviations as in		_											
(3) Individual animal number													
(4) Liver inflammation classification for	-												
compound-dose group at 72 h: yes-necr.													
necrosis observed; yes-both, necrosis with									_				
inflammation observed; no, no histopathology	<u>~</u>												
(5) Predictive gene (as in Table 5 and as													
included in Table 26)													

Table 29. Expression Data for 24 Hour Timepoint (1)													
		T	Т	T	T		5	TET 450	TET 150	TET 150	THEO 25	THEO 25 TH	THEO 255
Compound-Dose (2)	TAM 50	TAM 200	IAM AUU	1456	124	125	126	244	1245	1246	2	2525	2526
Animal Number (3) Liver Toxicity Inflammation Classification (4)	100	ou ou	00	9				yes-necr	уез-пест	yes-necr	90	92 22	
Gene Name (5)									0.10000	0 0 0 4 4 0 0 0	0.05774403	0 04345405	0 74172785
Gamma-ectin, cytoplesmic	0.99291164	1.7031103	1.2575493	1.0774838	1.1315999	1.053749	1.0862037	4 0002407	7.706970	1 557653	0.8913857	0.9074849	1.0265571
Phase-1 RCT-145	0.9350763	1.0473697	1.0428458	1.2281488	4 4 900000 4 4 88446	1 2071856	1 2554674	2 2435951	2,4440973	1.897707	1.3429922		1.0493032
Gadd45	1.4569962	0.8199514	0.8129773	0	o	-	_	0.69665786	0.70472795	0.69243884	ш	1.1220393	1.1266272
Phase-1 RC I-70	1 0973803	1 1714203	1.0758435			1.0905286	1.1664758	1.9717069	1.2646663	1,5546567		0.861832	1.0287813
Namehore Information amining alpha	1 1070485	_	1.0994583	1.8661312	1.7839762	1,1077511	1.1559607	2.1031275	1.8884826		\perp	0.7968088	0.9607267
Indection beta 1	1,3333787	1	1,2128258	1.3669189	0.98922986	0.6904718	1.1376752	3,420329	1,4432498			0.86970386	0.8089089
Phase-1 RCT-207	0.67633957	0.84700304	Ц	1.0251136 0.96116585	0.9303474	0.9151595	0.7956744	1.4611253	1.3495806	1.3248067	1 1735165	4 0928411	1 0799385
Aspartate aminotransferase, mitochondrial	1.2568682	_	0.6058609	_	0.62597823	0.7205483	0.5551062	0.00781397	0.0074331	L	12	+-	0.99322134
Case(n-alpha	0.9665749		1.0436363	1.0603255	7.2021202	0 90827847	0.9187249	0.5447611	0.3621347	۲	-	0.96497834	1,5915558
Malic erzyme	0.7524729	1		٥		1 0411105	1.0749074	0.4822956	0.81500494	1_	L	1.0707332	1.0471607
Phase-1 RCT-30	1.78357535	4 3000050	上			0.8016349	1.0847473	1.2642628	1.0618539	Ш	0.8619056	0.86238825	1.0296801
Hepatocyte grown ractor receptor	4 0512404	+		┸	Ľ	-	0.89454734	2,4855893	1.4102533	Ц		0.861832	0.9337852
MAY Kirase Kirase	67067660	L		Ľ	_		1.1014422	2.2018175	1.3055642	_	1.0128512	1.2917285	1.2930214
Chara 1 DCT 27	0.62025	4	_	0.48681623	0,48681623 0.35975878	1.1178594	0.74439573	0.95861506	0.18641631	4	٠,	1.9879100	24034238
Phase 1 RCT-60	0.9577762	↓			1.087121	0.98037803	1.1532407	1.1913787	1.1956064		4	4 0005042 0 00405433	1 2460245
Dhace-1 RCT-192	1,1551164	2.2982483	0.92274636	ı	_	1.1052252	1.0898551	2.843858	26253877	4	_L	-	25555 P
Phase-1 RCT-288	0.844664	Щ				0.9493987	1.0067418	1.0067418 0.79279757	1.50589514	9.74040670	Ш.	-	1.0684204
Phase-1 RCT-37	1.031145	L		4		1.1590062	1.10/13/0	3 607207	2 8135083		_	0.9882798	0.9907386
Organic cation transporter 3	1.1148312	L	0.97230035	_	0.02020	1.1290337	0.0044169	3 6433098	2 9608994	L	_	1.0325091	1.0120535
60S ribosomal protein L8	1.0307605		1,2534026 U.63024013	n 7879835	4	0 8848312	0.9309457	1.0913143	1.8628906	L	0.9977491	0.8035369	0.9846456
Zinc finger protein	0.7 149405		1	4	1	0.8775555	0.9187243	0.98096895	1.0671216	ိ	1	1.0365173	1.0898927
Cagranuin 62	1.0457174	┺	1_	_	+-	ļЦ	1.1378859	1.184348			1.011096	0.7902851	4 20064
Desca 1 BCT-02	0.8701373	┺	L	0,938776 0,70468616			ш	0.2600658	_	4	122395	1.1723012	0.0049800
Phase-1 RCT-115	1,2109033	_					1	0.9625519	4	4	0.65/05050		0.0838756
Matrin F/G	2.165461	Ш	0			0.9038278		0.6552458	0.53415734	4 404187	┸	-	0.8057379
Mutt. homologue (MLH1)	1.1005886		_	1.3310517	_	1.0427054 0.94578284		1./3049/6		l	٠.	١	0.980385
Phase-1 RCT-79	0.9587778		4		1.2085	0.40237203	1.0824904	1 9484965		Ĺ	_	L	1,185187
Sorbitol dehydrogenase	1.176845	1,19349	1 03029291	4 4482063	1	1 1017714		1.1699274	L	L	_	Ц	0.9146996
Phase-1 RCI-24	4 3246AB	┸	┸	┺	╄	0.6292285	1_		1,3198127		_	_	1 2809793
Cagrantim B1	0 981205	╬	_	┺.	١.,	_	_	3.0029964	Ц	_	_1	-	1.1190877
L-ordono-camma-factone oxidase	0.6455209		5 0.41999152	0.46915105	\vdash	_	0.5285399	_	0.3215035	0.49372524	4 4009309	4 402246R	1 4344786
Phase-1 RCT-33	1.2020285	5 0.94406486		ᆚ		_	0.99826145	0.5256491	0.36780813		1	12	1.3470756
o-jun	1.0999584	_	4	1.0363014		1080/1801	4 0045454	Ţ	Ľ	L	┖	-	1.176111
Phase-1 RCT-233	1.1752605			0.9724723 U.793632U0	1.110003/	4	1 0858233	-	┸	L	5 0.9556724	1.0081804	1.1493559
Phase-1 RCT-36	1.0831124	7	1.0121/39		_	┸	1	-	L	L	9 0.83519995	0.8527405	0.95883307
Phase-1 RCT-242	0.93828320	_	1		10	1	┸	┺	0.8672756		ш		1.0237112
Phase-1 RCI-181	0 93312838	+-	7 0.57065433	Į.	-	Ľ	ш	0.3668154			_	1.3528298	1.1403501
Dhoo 4 DCT 470	0.9123146	1			3 0.70287997	0.9869624	1.073728	3.515983		_	4	0.3465672	0.50030010
Phase-1 RCT-144	0.8684932	1		Ш	1.1969006	ш	Ì	2.2818992			1.0046292	1.01/33/3	4 4845682
188	1.3635526	1.487841	1 0.536263		_		의	1.452268		2.0/55541	┸	┸	0.8510451
Phase-1 RCT-225	Щ		_	4	_1	_	1.0380987	L	0.8130513	ļ	1	L	1.0688848
60S ribosomal protein L5 (alternate clone 1)	1.1312357	7 1.3510758	1.0257547	1,2487524	1.0504762	12//21	1.0552/4					- 1	
Retarbitutio class 1	1.3134574		7 1.1745454	\perp	1.0179892	L1	LЬ	귀			1.6465117 1.1768668	0.9050277	1.01372
Multiday resistant protein-2	0.6886776	\perp		ш	1.3277781 0.93036574	1,0131334	0.8597302	2,29267	2.0402007	╝	5 0.02100		1,000,100
The state of the s		1											

								1	n=01707	4 4000000	4 2404465	0 8058800	0 97178733
Phase-1 RCT-49	0.968748	0.9202781	0.98477155	-			1.0516976	2.514/662	3.12139/0	4 4635438	1 124357	-	0,94959795
Calgranulin B3	0.86502814	0.9718465		-1-	-		0.63525083	0.50540534	0 8305724	0.84585454	١.		1.0307186
NADP-dependent isocitrate dehydrogenase,	1.0753686	1.0433903	0.97304076	0.75854343	1.0562282	0.9466858	_	0.090183.34	C.Banai		_		
cytosolic	000000	0.000000	4 2444067	1 022785	1 2243405	1 0646747	1.0981308	0.61557007	0.8776246	0.46791026	0.8814683	1,4784664	1,076934
Octamer binding protein 1	0.95626450	0.8300833	+=	-	0.90118384	-		0.22282377	0.37797526	0.27632254	1.0467303	1.1232232	1.1564685
Sodiumbile acid cotransporter	4 0800724	0.5/3/603		_	0.8719633			0.67290586	1.0694826	0.7807431	1.1318581	1.0262631	1.0439223
Phase-1 KCI-1/4	4 075004	4 0468069		-	0 74965835		0.84765226	0.60020196	0.8813278	0.7609864	1.3084134	-	1.0821652
Phase-1 RCT-77	1.0/3001	0.000000	0 2774 1005	-	0 33829197	0.727333		0,57324195	0.41337436		1.1209896	_	0.80347866
Inositol polyphosphate mutudinase (ipmix)4	0.00000	002500	0.021 1035		+-	0.84161886		0,60161316	0.41067332	0.567182	0.93613476	1,1390094	1.2869605
Phase-1 RCT-256	1.426323	0.903009	1 0008736	0 8289861	+-	0.86047435	1.0107527	0.3926923	0.378743	0.4083329	1.0045701	12549496	1.1335163
Equilorative ntroberzylowomosine-sensitive	0.81018.0	0.32140224	20000									40,0,2,	0.000
museosale neglyoutes	4 049373	0.0054209	0 98692375	0.7946484	0.8033509	0.98491687	1.1287616	1.4740561	1,1097894	-	1.1757312	1.1/19438	7.00.007.0.1
CUNIUS Street Sport 200	0 7101827	0.8191481	0.8562169	0.8645456	0,87403667	1.0980419	1.0394351	0.8221581	0.958732	-	0.92166704	0.9147459	1.0125495
רומפון אינייוסאן ו-128	0.0703787	O 6882458	0 389714	-	0 58420914	0.8540046	0.5816122	0.44264527	0.5835813	0.64516868	1.0696733	1.1524506	1.1908063
NADH-cytochrome b5 reductase	4 4650732	0.0002130	1 0420673		1 1568547	0.7369262	_	0.50210893	0.66889584	0.7320942	0.8634897	1.0844503	1.0897633
Dynamin-1 (U100)	0.000100	0.950740	1 1103088		0 89694816 0.92818725	0.92818725	0.8445434	0.3265905	0.6101742	0.47566146	1.6874626	1.2577316	1.0616696
Senescence marker protein-30	0.00402450	0.6536114	0 9911836		1.0601469 0.94807595	-	0.93847444	0.7567936	0.7044188	0.89626247		0.9283505	1.027861
Phase-I KCI-68	1 4469923	0.7905312	0.9577902	0.7256756	0.95142484		-	0,58422494	0.3884911	0.49713746	-	0.99414116	1.0383177
	4 073022	0.0678086	0.557823	0 5640532	0.4579113		0.37085348	0.42468986	0.21964276	0.41800475	1.3423185	2,486795	1.0544354
Apria-2-microgramm	4 0347300	0.7388774	0 509R157	26EZ6769 U		0.6350741	0.5293385	0.40941474	0,45487124	0.4560681	1.2366505	1.0814648	0.9633781
Apolipoprotein Citi	0.6572593	0 87031025	13191684	1.001722	1.1904118	1.1133437	1.078593	5.017635	3.5476038	3.706211	0.6765338	0.93818516	1.0867897
Camepsin L, sequence 2	1 6559703	3.8801732	1.0955677	3.6161792	1.3461076	1.609731	1.1747856	5.0488195	6.6801596	3,4200528	2 21 23 263	-	123522
PRIZSE-1 RC1-141	0.71880456	0 6645095	0 7563637	0.5340777	0.60270065	0.6848673	0.67024183	0.65983576	0.6745221	0.665206	1,2084516	1.2183172	1.084/393
PRESE-T HOI-288	4 2525335	4 2183398	1 063722	15312984	1,3390218	1,2940159	1.2755429	1.3076108	1.0783933	1,3807646	0.65063703	0.84974265	0.9401302
Endonellin-1	4 0060858	0.955065	1.0638406	1.1409471	1.0793868	1,027897	1.0601852	0.9663636	1.134221	0.94630975	0.9013979	0.9140718	0.9850137
Phase-1 RC 1-202	0.78458665	0.9147931	0.9929858	1.028914	0.95697767	1.2939171	1.3231192	1.1873889	0.8609597	1.1141688	0.86515933	0.75815463	0.932773
1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	0 7777175	0.7765005	0.9320938	1.0610814	0.6901172	0.7158705	0.70975345	1.0860275	0.7168575	0.8517447	0.792268	0.87755036	1.1/410/3
phase 4 pct 287	1.0180967	0.89864725	0.9973667	0.7739282	1.0585281	0.91891927	1.087963	1,3943143	0.98728013		1.025/884	1.0518631	0.6510503
Ober 4 DCT-284	0 9339507	1.0686569	0.9363305	0.858094	0.9179952	0.96914715	0.8770656	0.8535376	0.90189284		0,74899656	0.7718012	0.0430131
Defined Mindion number (RRP)	0.85965943	L	0.62468207	0.659135	0.6002675	1.0275141	0.62817055	1.1928784	1.4509495	1.3651302	1.305662	1.4060551	4 0555563
ATP-similated ducocorticoid-receptor	0.7134181	Ļ	-	0.9170622	0.8837544	0.8069239	0.81964328	1.8488563	1.8563523	1,5077685	0.854223	C087CD / 8'0	2000000
translocation promoter (Gvk)							0,000	000000	0.000000	4 7078000	4 2240072	77778880	0 99868435
Phase-1 RCT-60	1.0319365			1.2784852	1.2487835	0.967885	1.03/1343	1.9993309	0.0023860	2 4848018	0 88881433	0.9266922	1.0412067
Pynyate klaase, muscle	1.0507381	1.0070374	1.1437368	0.9443246	1.3722893	1.1649499	1.1174572	3.2004875	0.9033009	2 409675	0.000	0 913887	4 DOGROBA
PAR Interacting profein	0.9631572	1.0979791	1.0126141	1.0486286	1.116798	1.0540023	1.1270181	23314483	3,399191	C/09647	0.907534	0.8764722	1 0204362
Nucleoside diphosphate kinase beta Isoform	⊢	1.7193323	1.0877124	1.2787684	0.9281398	1.2568152	0.84441894	2.46/3586	7.24631	24340131	0.0 Into		
		_	┸	4 0000077	4 0444999	0.0068873	0.48500437	4 319167	8.1349654	3.1438622	0.9611386	0.91950625	0.99592274
Gadd153	270889.0	1.246/9/3	2 45764 47	┸	2 0700665	1 0016104	1 0432521	5.5840554	14.986245	4.352973	0.7623852	1.0404092	1.1234801
Insulin-like growth factor binding protein 1	4 4770544	4-	Ļ	1	L	0.7116705	0.8005546	20273306	0.55801326	2.4432003	1.0928784	0.9631505	0.91288173
O-H-ras	0.7870834	10	1		ᆫ	0.9882862	0.9928346	0.2943599	0.26780114	0.3148257	1.1651704	1.2734567	1,3237303
sulforansferase (ST1C1)									0000000	0.04000004	4 TO2BAAA	0.04559395	1 2613379
Phase-1 RCT-62	0.89005744		0.90701294	9		12126031	1.1393939		0.2498063	┸	0 6036030	4 0218555	0 69817954
Alpha 1 - Inhibitor III	0.8462793	0.41122988	긔	4			0.43342614	<u>-1.</u>	0.43732310	0.5050310	1 6840054	1 2083329	0.94534016
Sterol carrier protein 2	1.2528373		4	_	_	T.L	0.5245183	┸	0.352550	0 59070367	0 6927095	0.97924286	0.8425502
Organic anion transporter 3	0.75879845	પ	-	4		1	1.1440430	0.7201043	0.200033	0.69903684	0.71161383	0.7978216	0.9310579
Calgranulin B4	1.1710646	1.4558505		\perp	- _	4 0623276	0.7030845		0.5780773	0.87217108	1.1661099	1.3786206	1.1822378
Phase-1 RCT-182	0.9107778	1	0.04040730	0.160333	0.6307448	0 7828183	0.67070365		0.64107084	L	L	1,2610148	1.0146987
Calgranulin B8	1.183831	0.9904/82	_	ľ	_	0 9005182			0.41242924	L		1.2596482	1,0506144
Aldehyde dehydrogenase, microsomal	1.0740400	_	1	١-	P	L		_	0,5020827	0.6744867	1.0848651	1.2484956	1.1414629
Phase-1 RC1-126	0 94537032	-				L.		0.5187646	0.22282816		0.7791073	0.8436851	1.2655032
Phase-1 RCI-102	0.8851338	-	1	_	0.43106142	0.527345	0.4922662	0.5001996	0.58087915	-+	1.0950779	1.2727827	0.9115477
A - pissemble Ali	0.86429423	_		_	-	0.70099384	0.57113785	0.39582363	0.10397712	0.112245718	0.60121924	1.0606915	1.2922802
Phase-1 RCT-10	0.9402416	-	_	0.7694335	_	1.028828	1.0190587	1.0787749	1.0773956	1.1555555	1 2604009	1.2010203	0 000001
Phase-1 RCT-48	0.8886097	7 0.776507	7 0.72271687		Ц	0.731387	0.8033215	_	0.7114306	1.2948297	1,2094500	1.3091987	0.890201
Phase-1 RCT-8	0.89157385	5 0.68120795	5 0.3722096	0.48692077	0.4329227	0.5280648	0.54554744	0.55534/44	0.0415/1/0	┚	1.14064500	1,000 100.1	

Physical DCT.188	4.4917950	0.0749599	O BEAEDERA	1000000	97600346	1 00000	0.00000000	197031130	0 64504006	0.00424202	4 947094	4 2442774	4 4037040
Phase-1 RCT-88	0.599474	0.7434347	1.7289752	0.8909372	0.8759294	1.2718333	1.1560131	0.28780186	0.6176607	0.39787993	1.1241212	1.0079993	1.0481205
Beta-elanine synthase	0.8409018	0.9224534	0.68339753	-	0.5797571	0.4244375	0.4979242	1.4456936	0.79252326	1.0178907	1.7114356	1.0206022	0.58257043
Phase-1 RCT-296	0.91864336	0.46471065		-	0.73510903	1.1982679	1.115162	0.35849938		0,4301213	0.95154315	1.1304826	1.2382525
Carbonic anhydrase (II	0.9930639		-0.30315575	_	0.50626886 0.31889206	0.31889206	_		_	0.062394425	1,824037	1.5974911	1.1194391
Phase-1 RCT-291	1.1316181	\rightarrow			0.74529505	0.9820863	_	0.8062863	0.902847	0.87239134	1.2453846	1.1348339	1.1891232
Carbonic anhydrase III, sequence 2	0.4961877		0.65785193	0.6837576	0.45893747	1.3887875 0.90282667	-	0.13030203	0.27015242	0.2641058	1.5617844	1.2000737	1.0854533
Phase-1 KCI-2/1	1,0379547	0.7890435	0.98355835	_	1.0286099	0.8843827		0.56588453	0.22911559	0.7852426	0.8938597	1.2063156	1.3496933
Phase-1 RCT-189	1,0082330	0.0009132	0.63637304	0.041/934 0.4663318/	0.58493125	0.724696	0.6120519	0.09297767	0.7638474	0.6023/12	1 2801281	_	0.08983477
Phase-1 RCT-40	0.95185345	0.9525846		+-	0.9857869	0.9193589	0.9519676	0.8103631	0.7407968	0.9397186	1 2052593	+-	0.99159724
Urinary protein 2 precursor	0.9184261	1.0888848		+	+	+-	-	0.82637113	0.6378441	0.7316048	0,9808198	-	1.0638522
Paraoxonase 1	0.6813728	0.5616092	0.8349367	-	-	_	-	0.61704767	0.6435435	0.58886954	1,1134846	1.117527	1.0779529
Liver fatty acld binding protein	0.87833184	0.7253481	0.55289084		0.40930024	0.8858043	_	0.36734495	0.16931964	0.18752265	1.0042108	-	0.75088656
Presentlin-1	0.8983194	0.40765655	0.3724867	0.3402784	0.3952737	0.90945196		0.3978414	0.45639774	0.35632867	0.6194165	1.0833715	0.730748
Phase-1 RCT-38	1.4148434	0.9786336	0.5295784	0.7466947	0.50293124	0.8175852	0.5394413	0,48665962	0.39210495	0.5153089	0.9296822	1.1663319	1.3534489
Phase-1 RCT-270	1.2588646	0.80782604	0.0569037	1.054815	0.6542483	0.8770163	0.94223577	0.84191597	0.56527764	1.0868179	1.128376	1.0547317	0.7465306
Transthyretin	0.76870203	0.631289	0.28876987	0.28587788	0.2709392	0.60296863	0.3738904	0.48555225	0.34204984	0.440925	1.0732299	1.2006359	0.7901817
Hepatic lipase	0.98958886	1.0255903	0.91407144	0.81146157	1.2050674	_	_	0.30945966	0.33132225	9	0.98649883	1.113921	0.8597364
Cytochrome P450 11A1	0.83782536	0.46511787	1.0661983	0.6453108	1.3182738	1.1469333	1.1662962	0.3550728	0.38484	0.30262575	0.9178893	1.1824493	1.0819167
Phase-1 RCT-175	0.8212492	0.8661257	0.6468104	0.7309632	0.56643254	_	0.720714	1.0874987	0.8011071	0.87723064	+	1.188747	1.1992792
Phase-1 RCT-117	0.8779927	0.9376597	0.9134932	1213156	0.8045321	84	0.78010976	1.3469433	0.8523308	1.003985	1.5250432	0.95528877	0.6062916
Phase-1 RCT-137	1.3151113	1.4324816	0.9067442	1.1420352	0.59969044	0.91352236	0.695694	1.0044543	0.8107134	0.94017386	1.2189823	ᆈ	1.0157923
Melanoma-associated antigen ME491	0.8069743	0.896231	1.0006887	0.93458724	1.0849781	1.1741955	0.9064989	1.6761239	2,6907697	1.12(7319	0.8408794	282	0.93420607
Phase-1 RCT-12	1.2145756	1.4580839	0.25886902	1.0531036	1.0736146	0.84114105	1.0268844	1.478154	0.98620458	1.5113869	1.1258504	0.9229129	1.0069523
Phase-1 RCT-152	1.0760983	1.7324953	1.0684618	1.5980669	1.4661828	1.4455384	0.9931613	3.4195673	3.464468	3.2163763	1.2835128	1.083962	1.1544788
14-3-3 zeta	1.1917552	1.2847176	1.0563912	1.1491407	1.2425185	1.1583624	1,2175926	20383265	1.2585353	1.6559125	0.76079	0.9403356	1.1047875
Cytochrome P450 2C23	0.52736974	0.5885685	0.7970021	0.335989	0.64871868	0.8718936	0.7987718	0.6910441	1.0077412	0.9869499	0.83552214	1.1707373	0.9667042
Vollage-dependent amon channel 2 (Vdacz)	1.04/58/4	1.1535925	0.98544224	0.9683/82	0.7689385	0.7500757	0.822817	2.1300788	1.1562148	1.9949582	1,300,492	1.1595333	1.3842.819
Phase-1 RCT-154	-	1 0105553	0.98119056	1 1205436	0.8420867	1.0086339	0.99136364	2.04064	2.2405696	1.6209718	1.0236444	0.92600864	1.0449244
Superoxide dismutase Mn	1.1978778	1.468042	3,506713	0.892983	+	-	0.7700395	2.8805702	1 2925397	2.1549284	+-	1.0474403	1.0844388
C-TWC	1.054029	1,2253023	1.0831221	1.1514273	1.2483193	0.7256792	1,3030969	2.3030853	3.6104088	6	0.86865705	0.948238	2.1428418
Phase-1 RCT-196	0.83542794	0.98143643	1.0221893	0.957763	0.9606025	1.0091447	1.0914168	1.0130168	1.6143878		-	0.75787586	0.7934595
Cyclin G	0.86985075	0.77557826	1.1054544	0.8352638	1.1674308	1.0757862	1.1428696	2.5818644	2.4444077	23667803	1924	0.9825627	1.214957
Calgranulin B5	0.8344095	0.9804692	1.0346667	1.0751868	1.1388588	1.0431057	1.105077	1.2912143	1.7186878	1.1956623	0.8883114	0.93915296	1.0524352
p53	1.04403	1.571834	1.0149907	1.4867473	0.9160713	9	0.97553086	2,1979454	2.3337293	2,5007539	\vdash	1.0654161	1.101488
Phase-1 RCT-205	1.0299168	1.4751191	1.0431721	1,7260716	1.1589204	_	1.066581	1.3876686	1.4977337	1.3650494	_	1.0685853	1.0566351
Phase-1 RCT-68	1.1110419	1.1661713	0.97737515	1.1146749	1.0010878	ᆏ	0.97390884	1.3621974	2.1911771	1.349382	0.9979102	0.99461395	1.0740385
Caspase 3	1.2377859	1.341619	1.3461572	1.4022794	1.2394872	1.2316831	12213281	1.4978878	0.6179858	1.4325238	0.81449395	0.9540176	0.9553233
Apha-tubulin	1.2990247	1.3158734	1.0214727	1.17913	0.8722385	-+	1.001938	1.041385	0.7707072	0.8013848	1.1738698	0.9410509	1.0472289
Ribosomai protein L13A	1.1340872	1.4832586	1.1533147	1.1264385	0.7074159	<u> </u>	0.89285934	2.706431	1.6055487	2.2288035	1.0944556	0.9489824	1.0436583
Description of the control of the co	0.0002042	1.2300083	1.24/3/19	4 9494449	1.2671315	1.07.34374	1,000000	1,351205	4 7623063	4 5000400	0 7398090	7150560	0.8280123
Coffin	1 0178592	0 8394011	0 6409223	0.5134145	0 0403704	0 008180	0.0861858	A8051301	20307536	0 90919244	1 159981	-	0.93775246
Heme oxygenase	0.7813662	1.4459096	1.1873052	1.287448	1.9962523	_		1.3794575	1.7803893	0.95273848	+-		1,0706968
Phase-1 RCT-241	0.7625151	1,1717186	0.99878156	1.248113	1.1315999	0.6622441	1.173317	1.2082521	5.1566067	+	500		0.90195835
Ribosomal protein S9	1.136326	1.3249532	0.9872906	1.5865046	-	+-	0.87668884	3.9799404	3.1277268	3.3447332	0.9671615	0.965985	1,131555
Phase-1 RCT-258	0.67638224	0.9239843	0.8758999	0.8415285	0.8415285 0.87193155	0.90791905	0.9465278	1.8378503	1.6964399	1.7185172	0.9930429	708	0.97017056
Argininosuccinate lyase	0.94038475	0.83147204	0.60317445	-	0.80160476	0.71095306	0.59929895	1.6434442	1,7829134	1.8219311	1,2292593	1.3823186	1,2346812
Phase-1 RCT-180	0.77068335	0.90915763	0.93465275	0.973053	0.820663	0.87280746	0.92233276	1,6687604	21196127	ᆏ	-	_	0.89509815
Multidrug resistant protein-1	0.8778212	0.8298513	1.0966611	0.7939228	1.0598531	1.018352	1.0804597	2,9116135	2.8057548	-	_	0.82464254	1.0120523
Omithine decarboxylase	1.0575385	1.8062198	1.0924271	0.94716084	1.2921811	1.1727189	1.1833607	2,3900425	3.79146	2.4031808	1.0720319	1.1186783	1.1695346
Inymosin beta-10	1.0447135	1.19/429/	0.8963423	1.128062	0.9615/69	1,0056243	0.8072347	1.24924/8	1.054894	2110288.0	0030000	1000767670	0.87392094
Dissert RC - 12	4 4664647	1.9880831	1.1420139	4 4000549	0.89403904	1.034/3/6	0.856/Tb/	0.9613337	1,04//194	4 7205726		٠.	4 004 5 38 3
Phase-1 RCT-76	0 0273350	1 0909195	0.9513927	0 97329515	0.0256000	0.96890473	0.0203431	1 0687681	0 94238406	1 273823	0.7358746	0 714779	88930138
Variole membrane umfein 1	0 96666247	0 996165	0 68713105	0 8495726	0.7547592	1 0566658	0.9565863	10043116	1 9596573	0.8205028	1 0529273	1.0811801	0.9776723
			22, 21, 22, 2	122,222,212	W. V. V. V.	Tananani	N. W. W. W. W.	121121					

	1000000	1011010	104050	4 05053031	4 4054684	1 1208406	4 22022AB	4 1213176	1 8074675	1 1364514	1 1364514 0 69780873	0.78497491 0.82831925	0.82831925
Phase-1 RCI-138	0.00071727	0.0737407	1,01000	1 24 40202	4 2400608	_	4 4604030	1 1518381	2843895	1 2745527	1 2745527 1 0566747 0 82768446	0.82768446	0.91624373
Phase-1 RCT-113	0.9693883	1.1080040	1.0283482	1.2140302	1.2 190000	1.10171	1.1004333	1.004.006	0.000469	1 3325677	1 3325477 0 72838089	0 8801789	1 0072074
Endogenous retroviral sequence, 5 and 3'	1.2856004	2.7517867	1.2329273	1.2969363	0.8325558	0.886/6//	0.9106964	1.0642009	0.0930402),ce3cc.1	0.720000	60110000	
LIK	0.00770004	4 4529700	0.0454040	0.8151010 0.03507856	0 6061001	0 47982517	0.5812687	1.8195095	0.9495761	1,6375195	1,6375195 0,96469583	1.1465247 0.82351494	0.82351494
Deta-actin	0.02/2031	1,1000100	170000		10007	A 00700E04	0.0706334	4 2006688	4 AERARDS	1 4998978	1 4008978 1 2157158	1 1964607	1.4172748
Phase-1 RCT-65	1.3870735	1.1094222	1.1094.224 1.000/234 1.04013/4 1.030413/4 0.0010334	1.04013/4	0 069774690	0.0070582	4 03500	1 205030	1 0519085	1 1772355	1.0981508		0.9941532
MHC dass I amoen KI 1.A1(t) appra-chain	1.813/042	790000	4 4554467	0.526554240 0.50244000 0.0225552 0.6404906 4.0758740 0.89884975	4 0758740	0 89881975	0 0043155	1 3634481	1 2035679	1 2662283		0.9178671	0.9759055
Bax (alpha)	4 400470	4 4405979		1 1485440	1 0006492	1 0103858	1 1113406	1 1547201	1.1931348	0.8869779	0.8869779 0.87457454	0.92264134	1.0041983
Dom notin commons	0 7929677	0 9725892		0.807259	0.6381227	0.7146542	0.6754232	0.6754232 0.59219027	0.36602584	0.60549194	1.129411	1.1149791	0.9545365
Detardation to	4 5218132	1 3843486	0.9687579	1.1245987	1,1291981	1.0974166	0.9140449	0.8656834	1.1697723	1,1146944	1.1146944 0.88834476 0.72728664	0.72728664	0.8361269
Disse-1 PCT-191	1 3182726	1 0018103		0.8543958	1,2947253	1.2947253 0.85026294	1.0040449	1.0463908	1.1161467	1.0215257			1.1705821
Phase-1 RCT-111	1.0049665	1.0792477	0,87328446	0.8702738	0.8658953	0.8658953 0.81927305	0.8222976	1.0400956	0.9197337	1.1744232	0.8871905	_	0.88580537
Anotheris-regulation basic protein	0.94585145	0.8479579	0.8479579 0.14060186	0.7583969	0.5927621	0.5927621 1.0469846 0.92558044	0.82558044	0.8067739	0,58697766	0.7946529	1.1388778	1.099742	12295785
Chrathione peroxidase	0.70921296	0,56282103	0,70921296 0,56282103 0,34651706 0,57334197 0,39203542	0.57334197	0.39203542		0.8611652 0.50938854 0.43088886	0.43088886	0.3418812	0.4946183		1.0412313	1.003875
Phase-1 RCT-239	1 4891381	0.81995887	1.4891381 0.81995887 0.86055446 0.76957566	0.76957568	0.9044849		0.8737975 0.86452895 0.69982764	0.69962764	0.80802435	0.7033839	0.7724565	0.85406375	0.8836891
Phase-1 RCT-87	0.84112775	0.8307974	0,8307974 0.9862324	1.0540438	1.0913888	0.9833992	1.1209315	1.0829761	1.0979708	1.200964	1.01195	1,01195 0,92331916	1.0152242
Torritorian hydroxidasa	1 2394677		1,1380172	0.884585	0.8914683	0.8914683 0.81890696	1.044444 0.49522278	0.49522278	0.63108337	0.5019557	1,4867592	1.186986	0.952558
Suffitzneferace K2	0.8554385	0.56572497	0.8554385 0.56572497 0.98392344	0.6103121	1.1249838	1,1249838 1,0146748	1.1604939	1.1604939 1.0058545	0.47548077	0.98447335	0.881584		1,5612168
Colose do Bo	1.01822	1 01822 0.97471607	1.0170873	1.0170873 0.97908646 0.81933755 0.80388063 0.87943673 0.73835768	0.81933755	0.80388063	0.87943673	0.73835768	0.81983125	0.8921588	1.0142531		0.97228086
Phase-1 RCT-123	1.104524	1.0499054		0.8665757	1.165228	1.0978544 1.1859434	1,1859434	1.0546218	0.92030174	0.9318368	0.7506227	0,9996912	1.0542737
Phase-1 RCT-88	0.9597548	0.857752	0.9695478	0.8589147	1.0689058	1,0867807	1.1090204	1.1090204 0.92426395	0.97531635	1.070093	0.8431388	1.0497069	1.0405418
Aguaportn-3 (AQP3)	0.96807986	0.9455405	0.9455405 0.88837125	- 1	1.1655752	1.0640057		1.1819235 0.9022655	0.78619874	0.8339192	- 1	1.035b107	rescolu.
Steary-CoA desaturase, fiver	4.777615	1.6423993	1.6423993 0.79079175		0.3392854 0.63657844	0.4812248	0.6392986	0.06319068	0.6392986 0.06319068 0.015075699	0.25000578	- 1	1.249/18	800/000
Phase-1 RCT-64	1,5539175	0.9179355	0.5628424	0.8270775	0.8855933	0.8855933 0.88086826 0.89578285 0.8095285	0.89578285	0.8095295	0.2463329	0.777029	1.2337906	1.0501091	12/410/B
													T
(1) Gene expression data for 24 hour													
timepoint are presented as mean ratio of													
treatment/control for all 24 hour predictive													
genes (Table 6).													
(2) Compound and dose abbreviations as in													
Table 1.													
(3) Individual animal number													ľ
(4) Liver inflammation dassification for	_												_
compound-dose group at 72 h: yes-necr,													
necrosis observed; yes-both, necrosis with													
inflammation observed; no, no histopathology	2		-										
observed													
(5) Predictive gene (as in Table 5 and as													
included in Labie 20)													

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Table 29. Expression Data for 24 Hour Timepoint (1)			
Change to Done (2)	THEO 400	THEO 100	THEO 10
Antmal Number (3)		2535	7
Liver Toxicity Inflammation Classification (4)	2	8	2
Gene Name (5)			
Garma-actin, cytoplasmic	0.78584594	0.97891307	0.7294
Phase-1 RCI-145	1.003104	0.99949396	0.8582
Phase-1 RCT-78	0.93888533	0.91988814	1.075
Fas antigen	1.1768016	1.1950091	1.122
Macrophage inflammatory protein-2 alpha	1.0842766	1.118871	1.17
Integrin beta1	0.9858753	1.0217527	1,0190
Phase-1 RCT-207	0.88529277	0.8652619	0.8605
Aspartate ammodanisterase, mitocommuna	1 0025154	┸	0.979
Maliceryme	0.862876	10	1.028
Phase-1 RCT-30	0.9051461	_	7.20
Hepatocyte growth factor receptor	1.0266422		1.104
MAP kinase kinase	1.0489523	- 1	1025
Sodium/glucose cotransporter 1	2.5327046		0.94
Phase-1 RCT-27	1.6227023	1.08481867	200
Priese-I RCI-50	0.86243300	L	123
Phase-1 RCT-288	0.90874445	10	L
Phase-1 RCT-37	1.0808079	-	0
Organic cation transporter 3	1,0858935		- 1
60S ribosomal protein L6	1.0916188	_1	익
Zinc finger protein	0.919289	0.93112624	8 6
Calgrandin B2	1 27314	┸	4
Phase 1 RCT-92	0.9068178	Ľ	10
Phase-1 RCT-115	0.9394665	Ш	-
Matrin F/G	0.8634632	의	_
Mutt. homologue (MLH1)	1.0788416	_	
Phase-1 RCT-79	0.9776825	1.0919586	
Sorbitol dehydrogenase	1.17/865/	1	1 134
Priase-1 RCI -24	0 04003156	┸	┸
Elonostion factor-1 alpha	0.84605944	L	╄
1-culono-camma-factone oxidase	0.8044473	10	٢
Phase-1 RCT-33	0.91109896	9	\perp
m\-o	0.88072175	-	4
Phase-1 RCT-233	0.76071817	-	5
Phase-1 RCT-38	1.0471901	9	4
Phase-1 RCT-242	0.99748135	4	4
Phase-1 RCT-181	1.1418462		0.00
Present RCI-183	0.8466792	0.7849215	4
Phase-1 RCT-144	1.051437	10	
IkB-a	1.0870238	ш	\sqcup
	0.64517287		0.71
60S ribosomal protein L6 (alternate done 1)	1.1084535	5 1.0005352	
Beta-tubulin, class l	1.209421	1.0307627	
Multidrug resistant protein-2	1.0233074	₽	0.824

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1,2006379 1,2006379 1,2006379 1,2006379 1,1062		1,000/48/00/0
Accepted transporter 0.0544158	Ц	0.97099787
The content of the	4158 0.8292145	0.8835525
No. No.	4727 4 4845748	4 4952005
RCT-114 0.859178	9	0 8713078
RCT-277 0.8223021	_	
International Process International International International International International International International In	-	0.88240874
RCT-256 0.8532650 0.8532650 1.07045	10	0.840636
ACCT_201	-	0.77298534
ACCT-2016 0.8902107	1	0.9149723
NECT-208	4	
NCT_209	-	0.8742017
Activities Control of the Contro	_	1.0547599
International	밐	0.9996671
1.0746122		1.0084954
NCT-82 2-microglobulin		1.0165031
Interpretation 1,178 255	7	0.7236195
1.452.439 2.416.209.004 2.416.203.004 2.416.209.004 2.416.203.004 2.416.209.004 2.416.203.004 2.416.209.004 2.416.203.004 2.416.209.004 2.416.203.004 2.416.209.004 2.416.209.004 2.416.209.004 2.416.209.004 2.416.209.004 2.416.209.004 3.416.209.004 3.416.209 3.416.209.004 3.416.209 3.416.209.004 3.416.209 3.416.209.004 3.416.209 3.416.209.004 3.416.209 3.416.209.004 3.416.209 3.416.209.004 3.416.209 3.416.209.004 3.416.209 3.416.209.004 3.416.209 3.416.209.004 3.416.209 3.416.209.004 3.416.209 3.416.209.004 3.416.209 3.416.209.004 3.416.209 3.416.209.004 3.416.209 3.416.209.004 3.416.209 3.416.209.009 3.416.209 3.416.209.004 3.416.209 3.416.20	_	1.0220220
Activities Act		0.0007454
RCT-287 0.7835303	1	0.8037.134
NCT-289 0.7835533 0.7835533 0.7835533 0.885553 0.8835533 0.885553 0.8855533 0.8855533 0.8855553 0.88555555 0.88555555 0.8855555555555555555555555555555555555	┺	2 027494
1.0724537 1.0724537 1.0724537 1.0724537 1.0869467 1.0869467 1.0869467 1.0869467 1.0869467 1.0869467 1.0869467 1.0827536 1.0872737 1.0872737 1.0872737 1.0872737 1.0872737 1.0872737 1.0872737 1.0872737 1.0872737 1.0872737 1.0872737 1.08772737	0	0 9824857
RCT-282 1,0969467 RCT-340 0,88297816 D1 0,99357816 O 0,99357816 O 0,99357816 O 0,99357816 O 0,99357816 O 0,99357816 O 0,99357816 O 0,99357816 O 0,9935817 O 0,9935817 O 0,	_	1.2275028
RCT-440 0.89.267616 RCT-287 0.89.2623561 RCT-281 0.89.262353 RCT-281 0.89.262353 RCT-281 0.89.26235 RCT-281 0.89.26235 RCT-281 0.89.26235 RCT-281 0.89.26235 RCT-281 0.89.26235 RCT-281 0.89.26361 RCT-281 0.89.26361 RCT-281 0.89.26361 RCT-281 0.89.26361 RCT-282 0.89.26361 RCT-282 0.89.26361 RCT-282 0.80.210847 RCT-62 0.80.210847 RCT-62 0.80.210847 RCT-62 0.80.210847 RCT-62 0.80.210847 RCT-62 0.80.210847 RCT-62 0.80.210847 RCT-62 0.80.210847 RCT-62 0.80.210847 RCT-62 0.80.210847 RCT-62 0.80.210847 RCT-62 0.80.21084 RCT-162 0.80.21084 RCT-162 0.80.21084 RCT-162 0.80.2108 RCT-162 0.89.8625 RCT-162 0.89.862	Ľ	1.0519704
D1		0.9926755
RCT-227	29358 0.60229564	0.8103465
RCT_60		0.9114314
Funding protein (Fact) 1.091991	_	0.942246
Intrinsies guescortuond-receptor 1,04802028 IRCT-60	1	0.86321145
The Company of the	2583 1.0600432	0.8743084
March Marc	3465 0.8979088	1.1144725
1.1532-12.56.4	L	0.91706353
1.000	의	0.90764755
1.1672/07	5342 1.1775426	1.054133
Ilike growth factor binding protein 1 0.15599033	10707 4 44054R3	0 0845556
1,1778939 0.402-0cetylarminolthorene 0.402-10847 0	L	0.946133
2007-2-acetylaminofluorene 0.80210647	L	0.93542105
1	0	1.114861
1 - Inhibitor III 0,570,2594 (2474) (1447 0 7437404	1 1727241
carrier protein 2 1.1091444 le anion transporter 3 1.0918518 lumiin B4 0.89022414 l RCT-182 0.8071315 nudin B8 0.701315 nudin B9 0.701315 le defyrdrogenase, microsomal 0.9336829 l RCT-102 0.8396273 lablumin, sequence 2 0.8396574	ļc	0 90856415
3 1,0918518 0,89023414 0,8071818 0,71818 0,6438623 0,6438623 0,6438623 0,84362 0,84362 0,84	┿	1.0973641
0.890/23414 0.807/315 0.807/316 0.838629 0.838629 0.838629 0.838629 0.838629 0.838629	1.8182615	1,1941669
98774315 gerase, microsomal 0.3396829 0.6488232 0.8482222 0.8194567 quence 2 0.8905574		1.111088
genase, microsomal 0,300451 0,648222 0,648222 0,8194567 quence 2 0,805574 0,805574	1315 0.82314545	익
genase, microsomai 0.336622 0.5498232 quence 2 0.8194567 quence 2 0.896574	_	- 1
0.8194567 quence 2 0.890574	┵	0.9189517
quence 2 0.9905574	MSSZ 0.72/314	1.8531917
0700000	10	0.934407
0.3/8/842	-	0.70984083
1.093487	_	0.96978927
		1.0403283
1.0493705	3705 0.75666314	0.91237605

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Dhoco 4 DCT 469	1 99 44 404	4 4900000	1 2070016
Phase 1 RCT-88	0.9663817	1 1775594	1.2058598
Beta-alanine synthase	0.99385965	0.94475836	0.8075121
Phase-1 RCT-296	0.40811798	0.35495824	0.6180584
Carbonic anhydrase III	0.40517932	0.6725298	0.73623204
	0.90541965	0.84240645	0.96498907
Carbonic anhydrase III, sequence 2	0.98108545	1.2191821	1.2293695
MARC Con combose minchondrial	0.7484848	0.602636	0.5874048
Physical RCT, 189	0.0012720	0.052063	
Prase-1 RCT-40	0.7804128	0.860847	
Urlnary protein 2 precursor	0.8367152	0.5344215	0.7873751
Paraoxonase 1	0.6251723	0.5174809	0.777698
Liver fatty acid binding protein	0.75528467	0.7554367	0.76701903
Presentlin-1	0.620445	0.37279692	0.933534
Phase-1 RCT-38	0.9491294	0.9915039	
Phase-1 RCT-270	1.0386169	0.9197203	
Transthyretin	0.6691372	0.6464093	-1
Hepatic (Ipase	0.6769535	0.40631115	1.0597035
Cytochrome P450 11A1	0.7009863	0.62562305	1.0278171
Phase-1 RCI-175	0.8885932	0.7448218	0.9632081
Phase-1 RCI117	0.96458346	0.9277731	0.88359284
Phase-1 RCI-137	0.60914636	0.8698488	0.9164694
Dissect Details	4 4005043	1.7.280330	4 0822700
Phase-1 PCT-12	1.1003943	0.0341263	0.88209477
14.3.3 rota	0 90749776	0.0000	1 0356712
Cytochrome P450 2C23	0.60635877	0.35186218	10
Voltage-dependent anion channel 2 (Vdac2)	1.0933318	1.173226	
Phase-1 RCT-154	1.0695142	1.2774626	0.94462997
Superoxide dismutase Mn	1.209133	1.5191853	0.9384253
c-myc	0.8582542	0.7990935	0.8681663
Phase-1 KCI-196	1.019003	0.90070134	1,1021,1
Cyclin G	1,5162739	1.4245207	1.1122184
Calgranulin B5	0.95240617	0.9222741	1.0842701
253	0.85433954	0.9285175	0.8018966
Phase-1 RCI -205	0.9854053	0.99568254	0.8641006
Company 2	0.0065033	1 0730008	1 07488R
Alnha-frrhydin	0 92739286	0 958 169 1	809608
Ribosomal protein L13A	0,999068	1.0085459	0.82963676
IgE binding protein	1.0498761	1.0793182	0.9424196
Phase-1 RCT-39	1,039871	1.0944964	1.120013
Cofilin	1.1298276	0.89851236	0.9337457
нете охуделаѕе	1.0146351	0.7345184	0.85630935
Phase-1 RCT-241	1.1394907	1.0942625	1.1416953
Ribosomal protein S9	0.7332107	0.8478302	0.7787006
Prase-1 KCI-258	0.89934736	0.92890584	0.9313084
Phase 1 PCT-180	0.03082207	0.002/2/	0.0233072
Mulithma posistant metain. 1	20000000	0.03078876	0.84669805
Omithine decarboxylase	1.1164699	1 2337508	1.000994
Thymosin beta-10	0.97079444	1.02908	0.79330474
Phase-1 RCT-72	0.93962735	0	1.009357
Phase-1 RCT-109	0.9676464		0.8108324
Phase-1 RCT-78	0.931341		0.9289546
Vacuole membrane protein 1	0.698531/5	0.70681524	0.8288883

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Dhana 4 DCT-168	1 0177301	1.0698222	1.1699965
	0 99154558	1.0241038	0.926999
Endogenous retroviral sequence, 5' and 3'	0.94410974	1.1292355	0.9172252
Beta-actin	0.5805013	0.78548074	0.6145368
Phase-1 RCT-65	1,3983415	1.2834874	1.1699543
MHC class I antigen RT1.A1(f) alpha-chain	0.7744404	1.3755641	0.878015
Bax (afoha)	1.0446929	1.1944269	1.093296
Carbony reductase	1.1043767	1.1847073	1.1232936
Bets-actin, sequence 2	0.80468637	0.90577984	0.7525767
Interleukin-10	1,2232448	1.1103532	1.0528303
Phase-1 RCT-191	0.9201004	1.083967	1.0494838
Phase-1 RCT-111	0.63510007	0.7034315	0.5859794
Anomosis-regulating basic protein	0.7433428	0.80536383	0.7843915
Gutathlone peroxidase	0.46700314	0.39502436	0.82144
Phase-1 RCT-239	0.7905749	0.89149624	0.94754094
Phase-1 RCT-67	0.94380337	0.9048422	0.9740861
Tryntrohan hydroxylase	1.1280022	1.0281026	1.1566586
Sufformsferase K2	0.48671588	0.40342534	1.0199437
Calcurantin B9	0.8232285	0.73092794	0.84405327
Phase-1 RCT-123	1.0088018	1.1000786	1.036045
Phase-1 RCT-98	0.97450703	0.9392087	0.92834866
Aguaporin-3 (AQP3)	0.9802572	0.9242118	1.0401295
Steam-CoA desaturase, liver	0.10802943	0.07566226	0.48875603
Phase-1 RCT-84	0.72655076	0.59028256	1.1168107
(1) Gene expression data for 24 hour			
timepoint are presented as mean ratio of			
treatment/control for all 24 hour predictive			
genes (Table 5).			
(=) Table 1.			
(3) Individual animal number			
(4) Liver inflammation classification for			
compound-dose group at 72 h: yes-nect,			
necrosis abserved; yes-both, necrosis with			
inflammation observed; no, no histopathology			
(E) Description open (as in Table 5 and as			
(b) Predictive years (as in rows 5 and as included in Table 26)			
, , , , , , , , , , , , , , , , , , , ,			

Table 30. Expression Data for 72 Hour Timepoint													
107													
2)	5-FU 13	5-FU 13	5-FU 13	5-FU 50	5-FU 50	5-FU 50	AMPB 20	AMPB 20	AMPB 20	AMPB 5	AMPB 5	AMPR 5	ANIT 15
	1927	1928	1929	1937	1938	1839	5	5	ě	447	1	440	1647
Liver Toxicity Inflammation Classification (4)	$\overline{}$	9		9			-	-	_				9
Gene Name (5)							-						
Phase-1 RCI-107	1.0781541	1.1578256	1.239701	1.1342269	0.9486655	1.0133674	-	0.92024523	1.0063459	1.1841815	1.1149586	1.0991063	1.4503918
Designation of product action con-	10.4190/8	1.173835	0.8100621	0.60051495	0.47018397	0.6716519	1.1136348	1.0328261	1.3002588	0.6279419	0.6464171	0.7125044	1.1148337
Cytochrome P450 2018	1 1358378	1 1605132	1.1410/04	1.02201/1	1.02301/1 U.8//30300	0.9469696	1.17.7591	1.0603862	1.1330664	1.4332315	1.1575084	1.1337144	0.9878046
Cytochrome P450 2C11	0.91647136	0.8312135	1.0904676	0.8027299	0.62460124	-	-	1 1133205		0 99103856	1 117169	0.7460000	0.9777744
Phase-1 RCT-290	0.6342936	1.1279819	0.8451277	0.6937851	0.5548385	0.84440064	1.0126884	1 0842041		0.8873889	0.76379883	0.8820273	1 0829747
Phase-1 RCT-59	1.0631596	0.7407643	0.7651573	0.8164638		0.86284727	1,1274096	1 0072193	0.85425836	1.0148406	1 0298285	1 1934863	1 2884845
Beta-actin, sequence 2	0.91200346	1,075999	0.84473014	0.9673183		0.8839514	-		0,83359635	0.697978	0.7247665	0.714939	1 0828733
Phase-1 RCT-292	0.906597	1.0188742	0.8766699	0.91296405	0,9965693	_			0.9853155	1.1609571	1.0046117	1.0895233	1 0007368
Pyruvate kinase, muscle	0.9262224	0.782378	0.921054	0.929309	0.62032634	-	1.1181059	1.0386608	1.116298	1.3680781	1.0077512	1,2806172	1.1001874
Osteoactivin	0.969951	1.0700635	1.0865528	1.129316	1.2050588	1.1870325	1.2225242	1.056018	1.0182256	0.91258776	1.1674411	0.8973806	1.0333582
Calgranulin 81	1.0717757	1.2180904	1.2642843	1,1857843	1,0922923	1.0381172	1.1268951	0.4435457	1.1001171	1.1609129	0.9068038	1.0667798	0.9730041
Apolipoprotein All	0.8000239	1.0856588	0.82526666	1.095082			1.3205215	0.8051868	1.0551484	0.49715346	0.8976258	0.5233711	1,3969821
District 1 DCT 400	1.2065846	1.1239316	1.2209/23	1.2675593		-	0.82905924	0.7234583	0.74497825	0.8642973		0.8101292	1.2612486
יומפין אכן -וכש	0.8069114	0.835/1947	0.8819622	0.91276675		0.84941137		0.8537247	0.9175308		_	0.96051174	0.9805108
Cayone menyuansicasse	1.0341022	1.4220868	1.3221622	0.8464599		0.66484565		0.74412847	0.9673389			0.8129624	1.6287463
Phase, 1 PCT-958	0.7340023	4 2004050	1.6300.00	SECTION OF SECTION OF		0.93126606	0.8335444	0.6378216	0.7541864		_	0.71492483	0.8403884
Cathoric arthutases III	1 2474366	1.2084839	1,0525/05	0.94/3/6		0.91325134	1.1324369		1.1086797		0.87211233	0.8813977	0.8100849
Phase-1 RCT-78	1 003854	4 4061244	1,1104523	4 0466066	1 2260081	0.27598286	1.1465468		0.45341435		1.5303383	0.4008894	0.5857125
Urhary protein 2 precursor	0.5725072	0 72088504	0 68356504	0.010000	0 744 2005	0.90037 12		0.9260030	2,009191	0.93966793		7//500000	1.0058997
Insulin-like growth factor I	0.6293313	0.7038528	0 7230224	0 6800474	-	0.76738036		_	0.8969137		0.73110033	0.51000277	0.0337203
Any sulfotransferase	0.70299447	1.0856037	1.0138929	0.75124264		0.9966685	1.2390324	_	1.1534754	0.78342116	0.7975361	0 6489179	0 8086876
Phase-1 RCT-185	0.7316496	0.9380018	0.816688	0.60885084	0.8494052	0,5506588	-		0.87515146	0.6635455	1.0508947	0.675567	0.7383951
Cofflin	0.8681752	0.93152267	0.8598844	0.8072376	0.91253287	0.7562591	0.7657474	0.81789173	0.77417195	0.59663814	0.729577	0.5394255	0.85463085
Scannan	1.0413896	1.0483744	1.1142105	1.1054851	1.1851743	1.1240172	1,0451556	1.0147207	0.9429878	1.250439	1.0094224	1,3013003	0.9824678
Calcadia I bean chain	0.81672806	0.6483287	0.64863896	0.7580135		0.83973247	1.0142978	0.9798036	0.94035137	0.8431895	1.171523	0.93185884	0.88582534
Collage the II	0.30400320	0.68265	1.0548522	0.98761374	-	0.88794076	1.1460541		1.0306933	1.1163723	at:	1.0837501	1.2041775
Phase-1 RCT-179	0.7103200	0.0514535	1.103215	1.2715824	1.162186	1.102798	4 4460256		0.84886485	1.1569868	_	0.90313894	1.2868096
Voltage-denendent auton channel 2 (Vdac2)	0.0407266	4 4378844	4 0768268	4.0005407	0.8515518	4 073704	1.1 109230	1,32218	1.1325264	_	_	0.95154166	0.855/684
Phase-1 RCT-192	0.8399137	0.9046559	0.838625	0.8465866	-	0.86483634	1.1617124		0.96445197	0.71026784	0.80948975	4 0700447	0.87.280357
Adenine nuclectide translocator 1	0.8236181	0.68973064	0.71701914	0,55813134		0.59452695	_	0.94950104		-	0.9238917	0 97918344	0.88549266
Thymosin beta-10	0.897547	0.8344549	0.853404	0.7035356	0.70763683	0.691427	_	0.98622566	1	+-	0.90605295	0.6954628	0.9350083
High affinity IgE receptor gamma chain (FcERtgamma)	0.8997756	0.62943	0.84886265	0.8539848	0.7522562	0.7487342	1.385185	0,99953026	1,0533898	0.98365897	0.9042296	0.9116559	0.94181037
Gamma-actin, cytoplasmic	0.7517159	1.0923398	0.7756412	1.1703815	1.0074474	0.85923076	0.87483686	0.7037224	0.73209304	0.7553826	0 75590634	0.5924193	1 12372
Uncoupling protein 2	1.0084312	0.89775854	0.9049379	0.9235997	0.750951	0.7013487	1.4645445	-	0.9593831		0.98017764	1.1875461	1.0745637
Phase-1 RCT-34	1.2457932	1.0576417	1.0418319	1.2033292	1.277064	1.4441581	0.9912624	0.9951125	1.1800971	1.3174835	1.0286012	1.1276772	0.95863676
Phase-1 RCI-31	0.8594648	1.1737993	0.9181474	0.8918018	0.9579766	0.8318341	0.64628035	0.7274325	0.73431915	0.5283588	0.666428	0.512163	0.67008066
Cyain Di	0.85937107	0.5427309	0.8305812	0.9992564		4	0.79049367	0.88927	0.9482815	1.1397063	1.3300958	0.983514	0.8887642
ige binding protein	0.8768226	0.7910359	0.97154576	0.98352385		_	1.3118135	1.0924672	1.0582913	1.281797	1.0479465	1.1409715	1.0813518
Chase 1 Dr. 1498		0.97871506	1.1120123			-	-	1.0674223	0.9795439	1.0118088	1.082599	1.0153428	1.1855369
Alphahitadio	1 5154852	0.80400190	0.9221230	0.8300141	0.86526185	0.74590886	-		0.9987405	1.084472	0.9515162	1,0480969	0.9930451
Apha-profitymosin		0.88656145	0.8564143	0.7226828		0.9290919	0.8040505	1.0205833	0.90839744	1.18/194	1.0309474	1.304522	1.3282887
Calpain 2		0.8971285	1.054384	0.9315786		_	0.8342100	0 9790413		-	1 (1323803		0.0645500
Phase-1 RCT-12	1.2208481	1,1157202	1.1148968	1,208064	1.1607348	+_	-	0.87898904	0 8230778	1 0543516	_		1 040774
Cathepsh B	0.9338804	0.96007836	0.83138674	0.8064224		_	-	0.9697614	1.0331763	0.700828	-	+=	0.87502277
Phase-1 RCT-24	1.3823482	1.0563383	1.0210133	1.2867222	_	Ц	0.9007047	0.8607509	0.8075434	1,0196615	0.86361	1.0654734	1,2047797
Melanoma-associated antigen ME491	1.145443	0.9589542	1,06653	0.9292073	1.1735859	0.9954493	1.0263802	1.1435308	1.036014	1.4041648	1.0117372	1.176277	1.0971026

Phase 1 PCT 69	0770000	L											
Cyclin G	1.0339419	1.0902889	1.1296043	1.1040165	1.1730129	1.1150606	1.0248705	1,0319358	0.9511939	1,2838565	0.9616104	1.0947447	1,0169325
Hypoxanthine-guanine phosphoribosyltransferase	 	0.99214077	0.7495764	0.7036116	0.6856603	0.62595654	0.9893281	0.9961924	0.7957512	0.7845859	0.73789454	1.2416863	0.9707713
Tissue inhibitor of metallonomeinases.1	4 0472688	0.0444504	4 07700000	_	-								
ID-1	1 220ROZE	0.9414594	1.0709399	1.0284756	0.90383697	1.0265647	1.3366022	1.2729761	1.2557808	0.7503808	1.0195434	0.7979453	1.1845405
Ribosomal protein S9	0.9845772	0.8995475	0.8423289	. 	1.0469613 0.84625053	1.239685	1.12/0692	1.203872	5	⊒ l:	1.0203574	1.1892215	1.1921038
Heme oxygenase	0.9025708	1.135419	0.86155826	-	0.04558084	-	_	4 4464722		-	0.90987414	0.5763723	0.9966961
Ribosomal protein S8	0.7313199	0.7608143	0.7209135	+		O TRUBBAN	1.3431078 1 1288764	0 0248467	1.6153/9/	0.7873155	1.13/639	1.0931028	1.0255673
Ribosomal protein S17	0.8424332	0.821301	8	0.79985094	Ľ	-	0.90395683	0.711049	. 	0 54893388	0.0001304	0.5445657	0.8009844
Nucleoside diphosphate kinase beta Isoform	0.9627273	1.0238625	0.90525323	0.9212371	0.8906448 C	-	0.92407628	-	-	0.7493784	0.7724961	-	1 040557
Phase-1 RCT-121	1.0867867	0.99797668	1.1079133	1.0369955	0.9455674	0.9311594	1.2118112	1.0916413	0.9583515	1,3244894	1.0861709	1.337051	1.1452204
14-3-3 zeta	1.0739676	1.0081358	0.9577284	_	8	1.0558933	0.9552528	1.1251712 (0.96398385	1,2500001	1.1097312	1.0639106	1.0534085
60S ribosomal protein L6 (alternate clone 1)	0.7747525	0.8080512	0.72627175	0.8239423	0.83784556 (0.84505856	0.96719235	0.92273813	0.9813035	0.674931	0.8326754	0.7612244	0.8017798
Deca-upuin, class i	1.2002798	1.1058043	0.91020775	1		0.9742035	0.8906808	0.7363347	0.7157833	0.800837	+=	0.89683425	1,0639292
Organic caron transporer 3	0.8651299	0.7339278	0.80936116		_	0.9321305	0.981805	1.1017131	+	0.77848744	1.1630278	1.2574313	0.8985573
Deta-acim	0.6016344	0.680592	0.47576918	0.6301505	0.5687643	0.4878196	1.073051	0.6349538	0.71420413	0.79839563	0.7948111	0.5783896	1.1888083
Rilimedia and school	0.88198817	0.7363666	0.75522478	0.9229482	0.7112028	0.7855199	1.4763538	1.1445665	1.0871803	1.1895855	1,1119341	0.9591986	1.1206547
Phase 1 PCT 144	1.0735621	1.1150256	1.1032149	_	0.9041788	1,0130522	1.1934937	1.170278	1.1163765	1.1425332	0.9936371	1.0002049	1.0736909
Phase-1 RCT-293	0.68623664	0.725248	0.8955578	0.991882	0.94218385	1.0034672	1.0383084	1.108054	-	1.2052535	_		0.97899844
Amexin V	A 096087	79280407	4 03//84/	0.0770004	8 3	0.00928623	1.3929162	1.259/852	5	0.89571484	1.0942656	0.91484046	0.9834958
Complement factor I (CFI)	0.000000	0.00000456	1.0344014	4 20402	1.0183861	1.1806387	_	0.96846557	1.0033226	=	0.9228605	1.1789558	0.8561558
Phase-1 RCT-276	0.8787807	0.00029100	0.013413	1.00483	, la	N .	1.1264832	1.1483889	1,1023006	0.9908772	1.2673923		0.85191256
Tyrosina aminotransferase	0.8143681	0 56088703		0.01300004	3 :	_	0.92070866	0.847774	ᆔ	0.6416967	1.0441296	0.7084907	0.8820229
Glutathione peroxidase	0.0550847	0.9282028	0 5020375	0.0000000	-1-	1.0494115	₹ :	1.1162412	1.0993577	0.42913947	0.6985578	0.48062655	0.523149
Histidine-rich alvoonatein	O RAADAGGS	1 206158	0.73476646	_	0.007/10336	4.4000001	0.7673943	0.79109627	4	0.49211603	0.6257727	0.48733005	0.8246462
Carbonic anhydrase III, sequence 2	0.88537365	1.1798508	Į,	0 83358177	0.8850747	1 1135062	_	0.7520956	0.626158	0.44941157	0.776247	-	0.5843805
Phase-1 RCT-92	0.839276	1.0487964		-	٠.	0 841277R7	0.7807287	0.7001200	0.0031304	0.433440/6	2010217.0		0.5/524854
Transitional endoplasmic reticulum ATPase	1.1092666	0.9528287	0.82174548	0.8537489	0.882807	66731	0.80531776	0.9232877	0.8320108	1 1483035	4 4574354	4 4540842	1 2260546
Phase-1 RCT-88	0.9480314	1.0559794	0.81099635	0.93699086	0.9748804	1.1078432	6	55	0.90752596	0.6039746	0 8300018	0.841679	0 7417374
Phase-I RCI-286	0.7185435	0.70142925	0.55316293	0.9444053	-	0.79506975	0.89036	38285	24555	١.,	0.8228841	0.7698386	0.74281764
Challing 6 transfers that	1.1737218	1.4082267	1.4468391	1.0352749	\perp	0.6161699	1.0484004	0.8958331	0.7120293	1,1909455	1.0328637	0.9852039	1.0141621
Phoee.1 PCT.162	1.0898224	1.1397295	0.89323523	0.75823765	٦.	-	0.98243725	1.0051968	1.0397239	0.99793124	0.9510303	0.75251985	0.8308566
Phase-1 RCT-182	1.03/3382	1.01/0063	0.8802663	1.0159855	1.0496334	_	4	1.062063	E	£	Ц	<u> </u>	0.91608655
JNK1 stress activated protein kinase	0 9871517R	1 0813558	4 0058064	0.0356000		+	0.7103612	0.7474072	0.828919	0.92201483	1.1049553	_	0.95778155
Phase-1 RCT-81	0.02765	1 0268575	0.98246064	0.8300800	1.1139/4/	٠.	_	4	1.2580817	1.4856103	1.141679	1.1607058	0.8087616
Phase-1 RCT-33	1 0513143	1 0208012	0.8650705	0.0555000	-	4 4054000	4 0007004	ᆉ	_	-	1	_	33235993
Phase-1 RCT-178	1,144369	1.3758983	1.0580138	2 1025362	┸	+	0 73064574	0.91333020	1.0230609	4 2262624	0.65564048	m 1	0.74088633
Apolipoprotein CIII	0.9517704	1.011242	0.87115425	0.8812347	١	1	+-	12	2 12	0 0246664	1.020243	1.06/260/	0.864/54/4
Phase-1 RCT-98	0.9450135	0.9875153	0.95567405	0.8696497	1.0220274 0	-	-	+	_	1_	-	٦,	1 0311644
NADR-cytochrome b5 reductase	0.8662391	1.0752046	-	Ц	0.6903485 0	စ	0.84697694 0	0.74203724	٠.	0.8264451	83	1	0.83097655
Alpha 1 - Introduce III	0.8335401	0.69947016	0.6890373	-	닠	0.5031044	4	=	0.64238995 (0.56535184	1.1454055	_	0.64311904
Paramonaea 1	0.940/0005	1.008627	1.0205944	4	5	_	_		0.8709145	0.8805105	0.8559665 0	.97957355	0.6770094
Presentin-1	0.68780377	ŧ 6	0.49093304	4	0.7205/84 0	-	-+	-	0.84280205	8	1.3832433	긐	0.75836965
Apolipoprotein C1	0.6748665		0.70320184	0.759975 0	96048847 0 73073478		4	٦.	7	0.56631668	1.1957431 0	0.57751924	0.6770415
Cytochrome P450 2C23	0.6554183	0.85561603		238	0 78528078 O		0.01831145	0.7237555	0.7232543	0.5364373	0.5670971	0.4154754	0.651229
Phase-1 RCT-227	0.87979996	1.0533893	1.1532979	0.8942071		-	1 3	+=	+	0 7488204 0	73224654	0.02332004	0.0784009
Hepatic lipase	0.91738105	0.68855745	0.49969386	0.5491536 0	0.68951064	1_	-	0.6863517	١.	0.8070353	1 2081858 0	60482857	0 7332560
Phase-1 RCT-164	1.075194	1.0326631	1.0399846	1.0580999	1.0442871	1.0720721 0	5	0.95902115 0	t o	0.86871487 0	0.84718996	0.75845057	10772588
Mutuang resistant protein-2	1.2035265	0.87267303	1.0378677	1.1044017	1.0718092	1.2825606	1.121198	1.07752	1.1496143	1.5056955	1.1442175	1.0736461	1.1874845
itisulitruke growin tactor I, exon 6	0.67977168	0.7061867	_	의		_	Ш	0.7381311 0	0.87436867	0.81421746	1.0356877	0.9111454	.87770927
(ST1C1)	0.8193285	0.7249482	0.8270077	0.86453885	0.7941526 0	0.79900175	0.9502388 0	0.82701355	0.9833823	0.72983974	0.9891685	0.5222511	0.6856463
Dynamin-1 (D100)	1.0033746	0.9972388	1 0340531	1 0428743	1 0680677	0 8801889	0000000	4 0075500	4				
DNA polymerase beta	0.89140177	9746	0.85492194	1	╀		-	_	C/ROSC	1	4	_Ľ	0.7863509
				V. (V. v. v. v. v. v. v. v. v. v. v. v. v. v.	0.0016.72		_		0.82222354	0.56161237	0.60619241	0.8344272 0	0.81158486

Phase-1 RCT-173	╙	0.9523045	1 1816298	1 0549024	0.04880875	0.0004220	0.0000000	10000000	Service of			- 1	
Ubiquitin conjugating enzyma (RAD 6 homologue)	1.0530157			<u> </u>	0.9763135	0.9764624	0.900085	1.057086	1.0294458	0.87301946	1.0787874	1.2786305	1.195326
Ribosomal protein L13A	-	A 9470COA	0.000000	1000,1000	0.00000								
Phase-1 RCT-144	1 00001	0.047.0004	0.0920293	0.0034/304	0.8352346	0.9050952	1.3499918	1.0324097	1.0203551	0.6829917	0.8198752	0.62523055	0.9332788
c-H-ras	1 0041892	1 1008364	1 145507	1.03042	4 9007404	1.0168918	0.8863427	1.1895511	0.857203	1.3824978	1.1391203	1,187885	0.9754512
Vesicular monoamine transporter (VMAT)	1 0949757	1 3648607	1 2468288	1.100419	1 1450217	1.1825588	0.94/4335	0.96072227	0.8802427	1.1865395	1.1403238	1.132027	1.0611523
Phase-1 RCT-273	1.0143133	1.0524197	1 0193341	1 0844775	4 0440779	4 964834	1.1309090	1.14/9009	1.2016062	1.9649858	1.1776403	1.3870059	1.0424217
Phase-1 RCT-230	1.0368474	1 2087572	1 11468	1 157R7R7	0.0606162	7 6206347	4 2402244	0.303108.0	1.1445591	1.13@20B	1.18325014	1.404002	1.0102078
Phase-1 RCT-74	1.0695914	1.0717949	1.2146795	1,4023663		1.1537037	1 0490667	1 0754609	1.004041	1.9163335	1.1768075	1.4005544	1.0760858
Phase-1 RCT-80	1.0389903	1,2543045	1.0281663	1.351317		2 1559277	10290625	1 1636512	1 0530574	2 07046AR	1 4845173	4 4000244	1.10831/5
Phase-1 RCT-158	1.0295051	1.0880079	1.1504297	1.1087149	1.1116594	1.0352112	0.94605285	1.0776596	1 0059127	1 5642805	1 1707087	1 4407105	1 422797
Deoxycytidine kinase	1.0896454	1.0738254	1.1994454	1,5327946	1.2361472	1.6289308	1.1168353	1 2688054	1 2681875	2 0804825	1 2224185	4 4205780	1,124/3/
Institol polyphosphate multikinase (Ipmk)0	1.0592992	1.17589	1.1138974	1.1777583	1.0766671	1.9512194	1.0473646	1.010093	1.1170255	2 0722747	1 2264R3G	4 4855573	0.0950132
Neuronal cell adhesion molecule (NrCAM)	1.1889217	1.2764758	1.1730386	1.3620418	1.0448101	2,493827	1.1404876	1.047825	1.1573581	2 1028447	1 2159894	1 58827n3	1 0501336
Hepatocyte growth tactor receptor	1.1104872	1,1399399	1.3434706	1.3389838	1.2586046	1.3713768	1.2095292	1.2996107	1.3675355	14738297	1 2070442	1 2242899	1 2858636
Empty	1.0762386	1.123321	1.2896909	1.383921	1.3149377	2.0835257	1.0094038	1.1120008	1.0811784	1.9945983	1.1649137	1.3066783	1 2655348
Uppamine receptor DZ	1.1200632	1.0649865	0.8830474	1.2408094	1.2298739	2011194	0.8699991	0.91441494	0.98278266	0.9345883	0.98338556	0.8433897	0.0594419
Phase-1 RCI-51	1.0478382	1.1690525	1.0948209	1,2971358	1.120349	2.13162		0.96079826	1.1458646	1.7499854	1.0598873	1 159678	1 030383
rour repeat ion channel	1.0207952	1.0326974	1,0187851	1.6169012	1.0225394	1.0528959		1.1270813	1.0444353	1.4374205	0.9787213	1.1585768	1 1218851
Autenomedialin	1.0863174	1.3321592	1.2835481	1.4014925	1,2337052	2.2738853	1.093367	1.1460586	1.1362611	2022803	1.2004346	1.6567833	1 2829865
Cavedinos Dhara 4 port 420	1.0146427	0.93617314	1.0248675	1.227294	0.97536457	_	1.0156828	1,1938733	1.0898335	1.6325878	1.0182786	1,2605067	1.1330805
Phase 1 RCT-04	1.0226387	1.1390083	1.0334035	1.1994448	1.0598619	ᆵ	-1.0320334	0.9941494	1.0670033	1.6543369	1.0286274	1,2387211	1.1176808
Samonlasmic maintain colcium ATDaca	4 0486633	0.9622699	1.2025807	1.0357349	1.2378527	1.1154279	1.0829324	1.1196014	1.0128497	1.6992381	1.1283001	1.1442808	0.99272186
Phase-1 RCT-79	1.0100033	4 2345052	1.1831206	0.842403	0.880541	2.1984484	1.0304695	1,0772259	1.1966429	1.6704696	1.1455634	1.1872321	0.90700394
Phase-1 RCT-252	0.87386703	1.001001	1.0387/81	1.0982991	0.9134981		1.0960836	1.0523028		1,7709264		_	0.99752843
Phase-1 RCT-151	0.91606086	1 05ARGR1	0.88863426	0 8044028	0.9004208	1.1335609	0.70066416	-	মূ	0.67989767	_	0.63374854	0.7820112
Phase-1 RCT-70	1.1146295	1.1239877	1.3873967	1 2950308	1 11015	4 0836872	0007770	0.0550391	0.76150215	0.8611963	0.9554975	1.0274922	1.0448354
Phase-1 RCT-150	1.0841142	1.3057914	1,2184954	1.1293702	1.1442984	1.0852048	0.8572952	0 9626386	0.8028033	0.550930	0.9390093	1.122188	1.1255312
25-hydroxyvitamin D3-1 alpha-hydroxylase	1.0038772	0.9419807	1.0515016	1.0253406	1.2344017	1.0380243	1.0120608	1 2092997	1 1123397	2 0507174	4 228 B 2 B 2	4 5488777	1.10030/3
Phase-1 RCT-119	1.0501585	1.2857304	1.0128046	1,1056167	0.9217529	1.3037683	0.7709081	┿-	0.90795183	0.9100963	0.74938136	0.7967912	0.8538424
Peroxisoma 3-Kemacyl-CoA thiotage 2	1.1982173	1.1301624	0.9741924	1.0745568	1,3171536	1.1630555	1.3144497	0.9185671	0.9720329	0.7729848	0.89577883	0.8285004	1.2688588
Supervide diemeters the	0.9954965	0.9688958	1.1668619	1.1559884	1.1536561	1.1624548	1.0565294	1.1138287	1.0177294	1.696403	1.1328968	1.2408712	1.0896093
Phase-1 BCT-114	1.0220961	1.1080/54	1.0996381	1.0523216	1.1570748	1.0512862	1.3554022	1.0395498	3.1014247	0.799881	1.0265142	0.86425996	1.0646486
Alpha-1 mirmodoh diofisitaria american / America	1.20033257	1.3304923	1.3736678	1.387211	1.3808658	1.7012436	1.2838937	1,2575337	1.1459105	ш	0.99950063	1.3786271	1,2607656
And a second control in the current (winds)	0.8722734	0.9848654	0.79008996	0.7826492	0.993853	0.8752059	0.8547773	0.8684684	0.8957668	0.7834929	1.0410104	0.7050246	0.8244814
Phase-1 RCT-18	0.9934106	0.98747337	1.0974207	1.0845767	1.0472445	1.0396825	0.95479006	1.0841633	0.9597475	1.379544	1.0252069	1.1111264	1 0098022
Maspan	0.982249	1.3734531	1.2568274	1.4120778	1.2143286	2.8840582	1.0081829	1.0395547	1.1471771	1.9830567	1.2522622	1.3936874	1.0438349
Definite V months of the	0.66876968	0.52791613	0.66716766	→	0.41244343	0.8006346	1.1261736	1.0920701	1.0927123	1.7611489	1.1973282	1.3337045	0.8813321
Collider medein soid biodies amenia (Catern	1.072225	1.045955	1.2777873	1.1286619	1,2285966	1.4240197	1.0690774	1.0819731	1.0898538	1.4003441	1.0866321	1.1331464	1.1783265
NADPH cytochome P450 ovidoreductase	4 4740034	4 2400755	0.93379253	0.6896382	0.7567509	0.7506437			-	0.73066837	0.8661391	0.731924	0.8755091
Malicentume	1.1740334	1.3400/35	1.35348/8	1,3004949	1.5131639	_	:::	_	0.89266684	-	0.87414163	0.8008955	1.5383103
Caspase 1	0.97058356	0 9457593	1 0332020	1.636344	1.3043/29	-	0.91707224	1.1838408	1.0828694	2.0272763	1.1138815	-	0.91282403
Cystatin C	0.8633391	0.7946892	0.73797625		0.80307653	0.37315000	1 2400020	1.1803/93		-		1.4755787	1.1839908
peecoc	1.0358981	1.0804078	1.3452958		1.3883522	1 4402825	1 078105	4 077804	1,0033073	4 620 700 E	4.007.0044	1.57616407	0.7726788
Poly(ADP-ribose) polymerase	1.0492022	0.9449236	0.8881267	1.0632423 0.91871876	0.91871876	0.9485507	1.0500612	1 1880165	10103984	1 2058622	1 0005428	1 2010165	1.1436803
Tissue plasminogen activator	0.9461408	0.9378151	1.0214618	1,203015	1.0096819	1.0228758	0.9229763	0.8835572	1.1318626	٠.	0.6003103	0.8446138	1 0078002
Mundrug resistant protein-1	1.16106	0.8565732	1.2746483	_	1.2849736	1.5758476	1.0826333	1.0119833	-	0.90420777	0.9189555	1.0006263	1.153148
Phone 1 DCT 194	1.1119056	0.8838391	0.98121756		0.96027297	_	1.068741	1.1176119	0.968812	1.436187	1.1076835	1.410432	1.1584294
Gao imetion membrane channel motor to	1.0573727	1.0492926	1.0120797	_	0.97259843	-	-	_	0.9649207	1.013314	0.94765025	1.0715985	1.1895835
(Gib1)	1,016.1	1.5/48533	1.653/662	1.5841285	1.5258255	1.1396872	0.7775361	0.70709044	0.66767687	0.90139556	0.82846594	1.0044494	1.4027879
Aquaporin-3 (AQP3)	0.9138117	0.90367573	1 0496352	0.9408348	1 0247040	0.0805078	00000000	4 0040740	1074050	0000007	0,000,		
Myelin basic protein	+	0.86933825	0.8959396	0.93551856	1.0445333		0.81240667	0.8829161	1.0742525 0.8522284	0.804376	1.0456846	1.0865897	0.9685384
Calgrandin 83	-	1.012547	0.9163631	0.897773	1.0004324		0.00121000	1 0030487	0.05223204	4 *663734	1.0522703	1.7421398	1.1256479
						120000000	0.020000101	1,000000	0.800000	1.1302124	1.00222/03	1430/201	0.8811/4/

Phase-1 RCT-158	1.0753835	1.0034877	1.0753835 1.0034877 0.34446784 0.8924415 1.1058723 0.92344004 0.8132399 0.8172816 0.8678975 0.9112378 0.9658345 0.8954074 0.94774816	0.8924415	1.1059723 0	.92344004	0.8132399	0.817032	0.8678975	0.9112378	0.9658345	0.89540744	0.94774616
Proteasome activator 28 alpha	0.77768787 0.69415396 0.61917377 0.6790671 0.7414821 0.7598039 0.8960767 0.91882354	0.69415396	0.61917377	0.6790871	0.7414821	0.7598039	0.8960767	1.91882354	0.90309	0.90309 1.5137752 1.1286288 1.2203552 0.9424753	1.1286266	1 2203552	0.9424753
(1) Gene expression data for 72 hour timepoint									-				
for all 72 hour predictive genes (Table 23).													
										_			
(2) Compound and dose abbreviations as in Table 1.											*		
(3) Individual animal number													
(4) Liver Inflammation classification for compound													
dose group at 72 h; yes-nect, necrosis observed; ves-both, necrosis with inflarmation observed;											-		
no, no histopathology observed													
(5) Predictive gene (as in Table 23 and as													
Included in Table 26)					-	_							

Table 30. Expression Data for 72 Hour Timepoint													
						П	П	П	П		П		
Compound-Dose (2)	ANIT 15	ANIT 15	APAP 1000 APAP 1000			_		_	_				AZA 50
Animal Number (3)	1648	1649	137	38	139	2127	2128	2129	1837	1838	1839	1827	1828
Liver Toxicity Inflammation Classification (4)	£	2	yes-necr	yes-necr	yes-nect	2	2	2	2	2	2	2	2
Descent DOT-407	1 0000003	4 1780788	4 3483178	1 4004777	1 3201122	1 0008661	1 0513394	1 147897	0 7404692	1 0209668	0.975454	1 209793	0 7831907
Retains bornovsteins methytransferase (BHMT)	+	1 2334772	0.7574972	1 0618377	1 0233914	1 1330392	1 2980897	0.6869918	0 22647884	1.1887648	0.83404934	1.6104037	1.1487464
Proliferating cell ruclear artigen pene	┿	0.8697872		0.9446375	0.8397319	0.6881105	0.8794885	0.9269369 0.92201847	0.92201847		0.96076924	0.75720334	0.9464664
Cytochrome P450 2D18	1.164403	1.063696	0.95532568	1.2370874	1.04806	1,180543	0.9105668	1.1410987	1.1771287	1.2717947	0.91403025	1.1142033	0.9355603
Cytochrome P450 2C11	0.97527134	0.9150951	0.7517512	0.27607158	0.10455641	0.90586287	0.81229484	0.84196895 0.18040349		0.83137053	0.6447482	0.45904154	0.5969157
Phase-1 RCT-290	0.819415	1.1768513	0.90122026	1.0468981	1.0416876	1.1904912	1,2837416	0.7803015	0.7803015 0.56764996	1.0782679	1.0230234	1.4113704	1.1465575
Phase-1 RCT-59	0.88459074	0.97859126	1.0394582	0.9447778	0.86609703	1.0446678	1.012774	1.0887407	1.0338975	0.6623766	0.75131917	0.6879606	0.7622144
Beta-actin, sequence 2	0.89847	1.0296172	0.7405182	0.67036176	0.8591993	1.2594624	1.2245363	0.95654255	0.874554	0.6541684	0.687307	1.0326557	0.9637842
Phase-1 RCT-292	0.9459087	1.0481787	1.1163489	1.015689	_	0.91075927	0.857292	1.0711158	1.1884102	1.1078424	1.0187814	1.1881014	1.3417306
Pynwaie kinase, musde	1.0477198	1.0533588	1.1648186	1.0595326	1.0628451	1.0603061	1.2658142	1.0011749	1.0011749 0.85374564	1.0729389	1.0741525	1.3330733	1.2195853
Osteoactivin	0.88259363	0.90146875	0.96879905	1.2059599	1.7442834	0.9785781	0.9221771	1.0806009	0.98297228	1.0677098	1.2427896	1.0554289	1.2178595
Calgranufin B1	0.8706321	0.9523888	1.0912815		0.9856777	1.1611409	1.0626749	0.894598	1.07/8153	0.845866	0.845884/4	1.1/8419	1.0099635
Apolipoprotein All	1,1068813	1.0674278	0.9426917		0.64427483	0.9204508	0.6026389	0.6772602	0.3875/16	0.46531638	0.35828903	0.51682216	0.4584646
Connexin-32	1.2588916	1,2524283	_	1.1644351	1.2694917	1.00/5621	1.1180585	1.120/619	0.8841302	1,4850191	1.40/0/68	_	1.4106364
Phase-1 RCT-109	0.983778	0.9494119	1.0959524	1.0810595	1.0445235	1.2275605	1.2834669	1.0544317	1.7045947	1.0164179	0.9694553		0.99680525
Glycine methyltransterase	1.0565147	_			1.5085021	1.0155948	0.8681406	-	0.5086768	1.1247524	0.7871/36		0.612008/5
L-gulono-gamma-lactone oxidase	0.90892345				0.46717083	1.038313	1.05/0258	-	0.40768357	0.6887974	1	0.8553463	0.8799636
Phase-1 RCT-256	0.6668318	0.82221514	_		0.93749756		0.892843	0.8615549	0.5903484	0.9280275	0.8162121	1.192636	1.0512072
Carbonic anhydrase III	1.3496525	1.4215347	_			_	0.57315856	0.7735449	0.3595987	0.7532403	0.78430426	1.2979978 0.443050	0.44305027
Phase-1 RCT-78	1.0411944	1,1049261	1.1876335	0.8464135	0.83400788	0.96925443	0.9988523	1.0721903	0.912423	1,1206205	1.1383213	1.2859028	1.059758
Urinary protein 2 precursor	0.7492762	0.7608547	_			_	0.80269325	0.80551547		0.8684358	0.8431859	0.9077777	0.72240925
Insulin-like growth factor I	0.63392055		9					1.1017507	0.463187	0.82038903	0.9417178	0.5920734	1.0678031
Aryl sulfotransferase	0.89225584	٦,	0.809839	_	_	0.8175/736		0.66529456		0.68739504	0.5193875	0.5430303	0.7368943
Phase-1 KCI-185	0.88910264	1.0308411	0.81391597	0.6528145/	0.63651327	0.7495743		REDGE A	0.7264569	1,325482	4.055000	4 0000444	0.807.290
Contra	0.9982426	1.0498123	0.7770852	0.7770852 0.83529055 0.84473425		0.997/496		0.86567364	1.2344939	1.2010138	1.2309023	1.02000	1,4220300
Signatura Signatura	0.99312663			0.9722396		0.30302.0	1.00000.1	190707000	0.82117400	0.000/000	1.0240307	0.3300304	10/01001
eus noosomal protein Lb	0.97/32587	7	4 2254 707	٦.	4 2724550	1.18/3862	1.1/04204	4 047576	1.0500004	1.063446	1 001/1886	4 346808	1,000001
Calpacal I medy Glaus	1.1720433	1.1103021	101 C221	1.03207 F		0 777/1276	0.034420		3	0 70171016	0.8306020	1 237570R	1 0001841
Dhoo 4 Det 470	0 003403	ا	0.6504376	_	0.0300031		0.9165119	4 0572714	0 8216287	0 7650 199	0 8047909	_	0 97254876
Voltage dependent anion channel 2 A/dam2)	0 00108383		ľ		1 0669395		1 2921563	1 0481415	1 3770385	1 2251912	1.1324469	1-	1 3020525
Phase-1 RCT-192	0.967965	0.9027362	ㅗ	0.9100967	1.039308	1,2253195	1.0627693	0.9629431	2.4464014	1.004794	1.0424356	1.1140817	1,2607106
Adenine nucleotide translocator 1	0.9897101	0.9647229	0.8152595		0.78572387	1.0163398	0.9829559	0.885921	1.15262	0.6767545	9		0.80380005
Thymosin beta-10	0.94797623	0.91690123	0.9289402	0.97211194	0.9482792	0.9914186	1.0010905	0.9217178	0.9798922	0.66914994	0.6478322	-	0.89925385
High affinity IgE receptor gamma chain	0.9372602	0.84091455	0.9372602 0.84091455 0.83750784	0.8566253	1.0743184	1.0743184 0.94184226	0.93202215	0.99832615	0.9321016	1.2125877	1.0862519	0.8991705	1.7539
Gamma-actin, cytoplasmic	0.89925975	0.90000015	0.82859683	0.5686325	1.040697	1.0082867	1.3434141	0.8083219	0.8083219 0.77546424	0.7522932	0.8322755	1.0298547	1.2704685
Uncoupling protein 2	1.0177927		0.7321223	0.69320625	0.6527032	0.6871237	0.7920801	0.8837406	0.9856048	0.8054089	0.8980107	0.6979151	1.203821
Phase-1 RCT-34	0.99704564	1.0508344	1.3500226	0.96698	0.9848014	1.1334776	1.0438066	1.0969062	0.83873844	0.7493702	0.773421	0.7897024	0,9081001
Phase-1 RCT-31	0.8412593	0.955701	0.94468343	1.0985948	1,1360202	1.363903	1.0823686	1.1624663	1,5817335	1.8433887	1.3468975	2.325245	2.0173037
Cydin D1	0.9462849	1.0976832	۳	0.69154805	0.7693539	0.8905195	0.99201447	1.2871701	1,2562618	1.805082	0.7428854	1.1415607	0.76962316
(gE binding protein	1,0035638	0.93047774	1.1830835	1.1142048	1.4182585	1.1577283	1.1168134	1.0804401	1.2516683	1.0258358	1.1155921	0.9969645	1.1466537
Zinc finger protein	1.0907849	1	1.1401569	1.1422974			0.9030982	1.072402	0.8656356	0.70672174	0.7678338	0.8737479	0.8886522
Phase-1 RCT-138	0.9192971	_L	4	0.9731333	-	-	0.82074505	0.9544993	1.181156	1,4436628	1.1851641	1.1510/36	1,3835371
Alpha-tubulin	1.1946946	L	1	0.5640225	0.71396065	-	1.2266594	0.9207491	1.3872929	0.6269664	0.7081554	0.839/8685	1.1801097
Alpha-prothymosin	0.8342262	0.8183244	4	0.934819	0.8622433		0.98418397	1.068534	0.7801604	1,0041946	1.0138038	0.88/2/35	CERTOO ,
Calpain 2	0.9774466	~	1	1.0660602	1.1155587	1.1063011	1.0847701	1.0715489	1.050/6/	1.1031994	1.09/0914	1.09/653	1,097.323
Phase-1 RCI-12	32659000	1.0406597	7.0926504	0.9/31258	1.0808262 1.2500636	1.2300030	7970607	1.1049000	1.2039407	1.3033130 4 1870539	4 1870530 0 8365784R	0.8575382	1 0394120
Phase-1 RCT-24	1 032105	1 0418203	4	0.6563191	0 91295946	1 7547494	1 5823368	1 1496176	2 1301224	1 198025	1 4939308	1.1502246	1.325308
Melanoma-associated antigen ME491	1.116065	_	┺.	1.0475768	1.1354219 0.94249094	0.94249094	0.7982191	0.994219	1.0992347	1.5119162	0.88164806	1.5119162 0.88164806 0.95312136	1.0520972
		ı	1										

Dhase 4 Borr 60		1											
Over Section Control of the Control	1.1429628	1.0403204	1.4125899	1.0801935	1.1241931	1.1586143	1.1170564	1.1150395	1.2576603	1.0669141	1.1530737	1.1218619	1.1562414
Hypoxanthine-guanine phosphoribosyltransferase	1.014736	_	+-	0.1036/20	0.67738618	0.9871161	1.0976343	1.0934142	1.2960261	0.81338674	0.99109524	0.8465555	1,0134318
						0.374C3Q4	01122/1.10	0.8648/745	1.046509	0.8281386	0.8289464	0.72748676	1.0639428
I Issue inhibitor of metalloproteinases-1	0.83069885			1.0263476	1.2139835	0.9096842	0.9606474	1.0179472	1,1102269	0.99474007	1.0191034	1 0150317	4 0504002
Ribosoms' smithin So	1.0478976	1.0962387	-	0.84841734	0.8664304	0.8457294	0.9283431	1.0294408	1.1317376	1,532731	1.1893678	0 91578755	1 1500181
Hama ownerse	0.9806838	1.012105	0.7859399	0.7527326	0.61132824	0.7142426	0.8256685	0.7124907	1,3615512	0.6378786	0.5158105	0.87413144	1 0451373
Ribosomal protein S8	1.2778535	0.8498396	1.5646038	-+	1.3889909	1.1715741	1.1431412	1.1333971	0.98489577	0.8494319	0.93671143	0.8902127	1.4705927
Ribosomal protein S17	0.8393767	0 77361906	0.827261	0.859827	0.94797087	1.2142032	1.0584548	0.9407015	2.2420235	-	0.85131294	1.0793735	1,3530215
Nucleoside diphosphate kinase beta isoform	1.0243948	1.0360467	0.8371346	0.7529434	1 0072038	13774052	1.1530198	0.964956	1.9554137	1.0809784	0.91183734	0.76218045	1,268101
Phase-1 RCT-121	1.0730885	0.94666106	1.0966954	1.1212958	1.0358386	1.0618148	1.0226505	1.0971549	0 7708997	0 75840044	1.18315/2	1.4325424	1.224493
14-2-3 Zeta	1.094678	1,29418	0.91413224	0.7630782	0.7902211	1.0730238	1.0690773	0.9016347	+	0.8889126	0.9500805	0.6612386	4 0777806
Rota tribulin Aprel	0.8621198	0.8689778	-	0.98629975	1.0031577	1.1094832	1.1262203	0.90571976	1.5788366	-	0.90163475	10102376	1 188913
Organic cation transporter a	0.9390429	1.0123998	_	0.5848316	0.8126831	1.8479863	1.8090361	1.1589731	-	100	1.848582	1,3353673	1.7633778
Beta-ectin	0.8389086	0.94901305		0.89784455	0.8036549	1.0725541	1.0853885	\rightarrow	${}\rightarrow$	0.74314904	0.8083387	0,7049683	0.8244577
Cathepsin S	1 2086037	0 9204700	0.700739	0.6760814	-	1.4414297	-	+	3	ĸ	0.58119756	0.7541703	1.1531096
Billiverofin reductase	1 1431781	1 0300043		0.01334314	4 9907197	0.81769717	0.7137683	-	0.97986716	-	0.90860045	0.7129872	1.2409745
Phase-1 RCT-154	0.9664544	0.9848525	1 1455,207	0.0045000	1.03003/1	1 4 4 2 2 2 2 4	1.0500951	0.93786484	1.2334658	1.0485396	1.0589442	0.89217365	1.3772447
Phase-1 RCT-293	0.9353489	0.960715	0.912498	O RAGRERE	0.02724133	1.123081	1.0528035	1.0407375	1.5587504	0.9866743	1.0898685	1.0133494	1.0358539
Amexin V	0.9727357	1,1157306	1.1047	1	0.05569324	-	0.93300200	1 07474074	0.84/503		1.159112	-	1.1774235
Complement factor I (CFI)	0.9720541	1.0179659	0.9221759	100	1.1671976	-	9 6	0 80839875	1 8630308	4 402425	4 22250974	0.9545428	0.92699593
Phase-1 RCT-276	1.0510288	1.043051	0.82019544	0.7788178	0.8841262			1 0002689	1 2701343	4 238323E	4 0705504	1,304/436	1.3036354
I yrosine artinofransferase	0.9036145	0.93150115	0.7705291	1.0086936	1.016765	-	0.95283586	0.8884389	0 9766572	1 0384034	0.0740034	99067777	1.0348185
Guratrione peroxidase	0.7549365	0,7382979	0.8421321	1.1794338	1.3975731	-	0.92398804	9	0.77922684	-	3 8	0.04772330	4 2222756
Historie and gycoprotein	0.6040472	0.72188884	_	0.7524137	0.8082978	4	0.54526174	1.1311768	0.5139322	+	_	7614	0 R8414F05
Place-1 RCT-02	0.58687276	0.72002447	Ŧ	0.70721173		0.87089735	0.5306226	1.1469052	0.4704103	-	0.48726776	0.7546998	0 57915926
Transitional endoplasmic reticulum ATPase	1 3623552	1 4004344	0.7487925	70989907	<u> </u>	-	0.6829882	1.0226797	0.6362363	1,2228111	1,0295795	0.8346984	1.0537719
Phase-1 RCT-88	0.79247206	0.8538569	0.8776978	0.1792234			1.0021294	0.93428284	1.1002098	1,0831057	0.9518993	0.80855714	1.0192837
Phase-1 RCT-296	0.919523	0.7738382	18	- 10	0.9633022	0.00321336	0.592/8977	1.0987287	_	0.88085504	0.86615723	0.77252814	0.7718201
Phase-1 RCT-181	1.0560287	1.0375664	_	+-		2 12	0.73267526	2 5	0.3386944	1.2083185	1.2839922	1 292522	1.5930723
Glutafhione S-transferase theta-1	0,8896161	0.96109647	0.935466	1 4088508	_			3 2	0.00200423	_	9008000	1.3491112	0.5992015
Phase-1 RCT-168	1.1069481	0.9648724	0.81259656	0.8882247	-	1	0.0507209	0 95433647	4 4758938	0.6051523	0.68856983	1.1214896	0.84221673
Phase-1 RCT-182	1.1319433	1.1033576	0.9584747	0.81451917	0.8311735	1_	_	0.86105585	0 9812860	1.34 100 10	0 0562650	/91991977	1.14381/2
JUNEA Stress activated protein kinase	0.9187343	0.81788176	0.8783579	1.0981374	1.1059991	0.8462283	95	0.95438135	0.6700397	0.8652743	0.7284654	0.73300330	020272000
Phase-1 RCT-33	1.0607305	1.067143	0.8692108	0.8527127	0.8124865	Ш	0.9039519	0.9895008	0.909838	1.060174	1.0405328	1.4526607	1.0298101
Phase-1 RCT-178	1 22483 106	4 0248488		0.8282624	0.8638663	_	8	퓛	0.71209985	1.2451891	1.078493	0.90139604	1.2080189
Apolipoprotein Cili	0.86457646	1 0026829	0.0396811	0.88838834	0.7665803	_	_	2	0.46034673	1.1075261	0.7598901	0.845016	0.62819695
Phase-1 RCT-98	0.95915863	1.0539962	2	-	_	0.8050834	0.832/635	4 0271246	0.5159372	0.7510509	0.5855129	0.8955339	0.6349268
NADH-cytochrome b5 reductase	0.8421117	0.8758356	-	0.78524	٠.	0.84132445	18		0.7995141	1 1700714	0 0284003	1 4044420	1.0002141
Chart 1 - minotor III	0.7605144	0.9858528	9	0.71032345	0.6689517 (0.50148857	0.6790304	1.0018622	0,2387538	1.0874156	0.9525602	1 24201318	0.734.7050
Paramonase 1	0.765438	-		\rightarrow		Ш	1,0340884 (0.97978956	1.0383848	1.4326895	1.1843101	0.7832058	10440508
Presentin-1	0.04/5233	2	4	_		-	9	Ω	0.40971628 (0.98845416	0.6583744	0.6819964	1.0109458
Apolipoprotein C1	0.01781092	1.0290071	0.6609998	4	_	_			0.39020935	Ц	0.9254341	1,9513704 0	0.70280164
Cytochrome P450 2C23	10117249		٠.	4 0480564	₹,	4	2		0.8647355		0.9164415	1.7403597	0.8598684
Phase-1 RCT-227	0.84693825	1.0879065	1	0.87855157	0.0003001	0.7000213	4	-	0.49061063	0.7576244	0.6330579	0.6807263 0	0.72897047
Hepatic lipase	0.87237525	14	-1-2	ž	4		4 0000075	1.0325209	0.587422	-	73021764	10967708 0	0.96204424
Phase-1 RCT-164	1.0384443	0.97962844	_	1_	2 5	0.81528623.0	85628086	-	0.5169982/	0.70791951 0	0.69124776	4	0.9830791
Multiday resistant protein-2	1,1534436	1.0897099		Н		1.0197008	0.9801525	0.9621009	1.2948089	1.1768388	1 116643	1 0418481	1 354428
M. Partonic growth lactor 1, exon 6	0.6808231	1.10884	ч	_	0.69023204	0.9418644	1,009605	1.2508193	0.5457941	1.0188065	1 1790028	0 77074987	1 3099772
(ST1C1)	0.8485147	0.8589159	0.7806436	0.7683087	0.6157183	1.1406024 0	0.87831515	1.0334685	0.5293017	0.8258302 0	0.58012015	١.,	0.8349424
Dynamin-1 (D100)	0.8118657	1 064507	1 1738771		_	щ.		_	4	_		_	
DNA polymerase beta	0.9480163	0.89140004	ㅗ	0.9000319	0.8220473	0.9907992	88	_	4	_	Ц	2	0.89644367
	1241 221 241	1100011	4		┙	_	0.97180766	0.9386819	1.0845954	0.9143462	0.8921658	0.8561961	1.0355189

1,17, 1,155, 1,	Phase-1 RCT-173	1.3948131	1,3588079	1.1436399	1.0639815	1.0490872	12198315	1.0886018	0.94431067	1.2938107	0.7832562	0.75207585	0 73289055	0.5982693
0.05000000 0.05000000 0.05000000 1.0500000 1.0500000 0	Ublquitin conjugating enzyme (RAD 6 homologue)	1.0751971	1,0558813	0.79874665		0.70254695	1,0887611		0.8869945	1.4368312			0.7409223	0.80559134
1,007.018 1,00	Ribosomal protein L13A	0.9380892	0.8876405	0.9633626		0.98447114	1.054638	1.1947674	1.0526072	1.361612	0.99329658	-	0.67535925	1.170484
Control Cont	Phase-1 RCT-144	0.9052626	0.95604706	1.0298191	0.91925156		0.98968047	1.0395595	0.9292108	1.0610635	1.0761682	1.0535872		0.97048074
1,000.000 0,00	C-H-ras	1.0973188	1.1552731	0.9266419	1.0693899	0.92205614	0.8757185	0.8364619	0,909077	1.3160394	1,0278562	1.107911	0.628923	1.0373788
1, 10, 110 10, 10, 110, 110 10, 10, 110, 1	Vesicular monoamine transporter (VMAT)	1.0909306	0.9574731	1.8767375	1.3864145	1.4257798	12946029	1.1022632		1.0297025	_	1.1891476	-	0.67150118
1,177244 1,177244 1,175245 1,175245 1,17525	Phase-1 RCI-273	1.0271013	0.92220503	1.8053972	1.4038497	1.5345783	1.4047519	1.1588838	-	0.87603027	-	0.98712208		0.87887496
1,002.03 1,002.055 1,002	Phase-1 RCI-230	1.10/1141	1.05341///	2.3302011	1.5084877	1.499964	1.6997038	1.409522	1.3183954	0.8529888	0.81970334	_		0.96865517
1,000,000 1,00	Phase-1 RCT-80	1 08478	0 977479	1 9471202	1 42005213	1.0004919	1 511737	1 3628204	1 2587279	0.9700473	0.8581605	_	-1-	0.8472072
1,044,172 0,951,525 1,267,22 1,574,26 1,575,27 1,574,27 1,574,27 1,574,27 0,544,44 0,544,44 0,544,44 0,544,44 0,544,44 0,544,44 0,544,44 0,544,44 0,544,44 0,544,4	Phase-1 RCT-158	1.032828	1.0836263	1 4415401	1.218187	1 2383003	1 0456781	1 0650715	1 1341356	1 0101199		0 97514987	0.9245013	0.7737023
1,1251182 0.0675261 1.000005 1.00005 1.	Deoxycytidine kinase	1.0425996	0.97879416	1.6910372	1.6944623	1,5169915	1.1803925	1.0385541	1.1934726		+-		0.79765854	0.8465669
1,102,007 1,000,000 1,000,000 1,10	Inositol polyphosphate multikinase (Ipmk)0	1.044127	0.9915931	2.069257	1.3677446	1.5011295	1,5193281	1.1580673	1.2946502		0.8561917		1.0022395	0.789633
1,128182 1,12822 1,12822 1,12822 1,12823 1,1	Neuronal cell adhesion molecule (NrCAM)	1.0800363	1.020891	2.2825913	1.8684546	1,7329323	1.6831816	1.4847412	1.4069884	0.9251293	0.839731	1.1416728	0.9271785	0.81237507
1,1281802 0.852471 1.004001 0.812298 0.81418077 0.8181808 0.81812628 1.1041808 0.8181281 0.8181808 0.8181281 0.8181808 0.8181281 0.8181808 0.8181281 0.8181808 0.8181281 0.8181808 0.8181818 0.818	Hepatocyte growth factor receptor	1.0413454	1.1783522	1,619093	1.4125973	1.4848931	1.1559952	1.1117414		0.97025806	1.0970489	1.1520454	1.0414447	1,1948588
1,1720017 1,012007	Empty	1.1281892	0.9929711	3.4511805	1.8409791	2.0545459	2.0676186	1.8427459	1.7963368	0.95748188	_		-	0.63287836
0.08504410 0.7710201 0.0850441 0.7710201 0.08504501 0.7710201 0.08504501 0.7710201 0.08504501 0.7710201 0.08504501 0.7710201 0.08504501 0.7710201 0.08504501	Doparnine receptor D2	1.0123607	1.0960004	0.9132988	0.91410977	0.9361966	0.9316262	1.0208547	0.8869306	0.9492781	-	0.97034436	0.9762797	1.198127
1,1051016 1,0522071 1,1072002 1,202046 1,202042 1,202047 1,2027720 1,005171 1,0052721 1,005271 1,005272 1,005271 1,005272 1,00	Phase-1 RCT-51	0.9934413	0.97480375	1.0561003	1.4493841	1,2881668	1,2314371	1.169828	1.1431782	0.929862	_	1.0908927	1.1655343	0.86587825
1,175368 0.925268 1.9805268 1.9805268 1.980528 1.980618 1.98052	Four repeat ion channel	1.0610089	1.036244	1.4717604	1.2290332	1.2588402	1.1683635	1.1041131	1.2031785	0.9390252		1.0367212		0.81420195
1.0552771 10.72002 1.522046 1.320041 1.320041 1.012201 1.102201 0.0408212 0.020249 1.040812 0.020249 1.02020 1.020209 1.0012200 0.020204 1.020209 1.020209 1.020209 1.0012209 0.020209 1.0012209 0.020209 1.020209 1.020209 1.020209 1.020209 0.020209 1.020209 1.020209 1.020209 1.020209 0.020209 0.020209 0.020209 1.020209 0.020209 1.020209 0.020200 0.020209 0.020200 0.020200 0.020200 0.020200 0.020200 0.020200 0.020200 0.0202020 0.020200 0.020200 0.020200 0.020200 0.020200 0.020200 0.0202020 0.020200 0.020200 0.020200 0.020200 0.020200 0.020200 0.0202	Adrenomedullin	1.1739018	0.9922951	3.8080697	2.07841	228145	3.1400242	1.9227282	1.8066113	0.9965128	0.8213238	1.1718334	_	0.6249547
10.052771 0.1010207 1.012001 1.022021 1.225724 1.225724 1.225724 1.225725 1.225724 1.225725 1.225725 1.225724 1.225725 1.22572	Caveolin-3	1.087354	1.0495561	1.4179622	1.3652444	1.3306944	1.1912453	1.1947563	1.1498367	0.9468217	0.85875034	-		0.76682897
0.8587226 0.958464 1.285672 1.447074 1.058524 1.57124 1.058526 0.0585245 0.0585265 0.0585267 0.0585272	Phase-1 RCT-129	1.0552771	1.0126002	1,522045	1.3251851	1.380972	1.2504565	1.2397163	1.1603438		0.89158595	1.0619193	1.2977397	0.98803437
0.0653775 0.06547245 1.00000000000000000000000000000000000	Phase-1 RCT-84	0.9316334	0.9466144	1,4265515	1,1823213	1.3257244	1.0659639	1.0712032	1.1605563	0.9293434	1,0536588	1.0824053	0.9482388	1.0632077
0.0835075 0.084576 0.084576 0.084576 0.084576 0.084576 0.084576 0.084576 0.084576 0.084576 0.084576 0.084576 0.084576 0.084576 0.084576 0.084576 0.084576 0.084576 0.084576 0.084577	Sarcoplasmic reticulum calcium ATPase	0.9287205	0,9384644	1.5350326	1.5856724	1.447074	1,2084446	1.1587361	_	0.81364155				0.996683
0.8563678 0.8573078 0.8574084 0.8574	Phase-1 RCT-79	0.9583775	0.96723425	1.9148917		1.2817572	1,5711489	_	_	0.89593095		0.8558422		0.94903874
1,000-059 1,163-105 1,163-105 1,163-105 1,163-10 1,163	Phase-1 RCT-252	0.89360726	0.9370957	0.8760476	-	. +	0.9893352	_	0.82778615	1.1619277		0.91849667		0.89795905
1,000,000 1,00	Phase-1 RCI-151	1.060659	1.1639766	0.91456425	0.90699816		0.99731034	1.0427309	0.955547	1.5115621	1.1958263	1.4820772		1.2541434
Universe 10717624 0.87410566 1.2050104 1.1050204 1.105	Phase-1 RCT-150	1 222/708	1.0343331	1.7051041	1.342/4/9	4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4	-	A00000000 A	1.4003409	1.0003004	1.1042415	1.1353402		4 2009759
Continue	25-hydroxyvitamin D3-1 alroha-tydroxytase	1017624	0 97446656	1 2050146	1 0654873	1 0460558		1 0000805	1 0763292	0 7709698		O GROREGER	0 6597167	0 80617
1,190,500 1,100,000 1,10	Phase-1 RCT-119	0.96781725	0.95939624	1.263944	1.3399669	1.0026245	1.1279247	1.1824768	0,999261	0.9021513	_	0.93406004	1,1778348	1.011428
0.99928075 0.7708949 1.5817168 1.7772492 1.770253 1.0204131 1.100679 1.1208054 1.0217249 0.8707253 1.020809 <th>Peroxisomal 3-ketoacyt-CoA thiolase 2</th> <th>1.386483</th> <th>1.464731</th> <th>0.76818603</th> <th>1.0924329</th> <th>+</th> <th>0.96744466</th> <th>1.0947299</th> <th>0.911618</th> <th>1.4823781</th> <th>_</th> <th>0.964679</th> <th>1.0173235</th> <th>0.9765198</th>	Peroxisomal 3-ketoacyt-CoA thiolase 2	1.386483	1.464731	0.76818603	1.0924329	+	0.96744466	1.0947299	0.911618	1.4823781	_	0.964679	1.0173235	0.9765198
0.8966868 1.0718858 0.8960807 0.837574 1.0553846 0.8956847 1.0718858 0.8960807 1.025180 0.8960804 1.021805 1.024187 0.0560847 0.918077 0.756440 0.756440 In precursor (Arritp) 1.0281191 1.024183 0.1401875 1.021804 1.17180842 0.7101872 0.8184168 0.8918415 0.80184177 0.8018417 0.80184177	Phase-1 RCT-146	0.99928075	0.77089494	1,5817168	1.1772492	+-	1.0324131	1.100679	1.1208054	1.0819753	0.8883901	1.0597003	5082	0.96898735
11905501 1.1905501 1.1905501 1.1905501 1.1905501 1.1905501 1.1905501 1.1905501 1.1905501 1.1905501 1.1905501 1.1905501 1.1905501 1.1905501 1.1905501 1.190511 1.1905501 1.190511 1.190	Superoxide dismutase Mn	0.9966868	1.0715953	0.8900879	0.8272959	0.8460092	0.9387574	1,0553846	0.9939743	1.011633	1.0282447	0.9180772	0.7546416	1,2621955
1,0251191 1,0271518 0.9516188 0.9181642 1.1253199 0.11616173 0.11624075 1.0528646 1.0528413 1.0686085 1.1553199 0.11624075 1.0528646 1.0528413 1.0686085 1.1253199 1.1253199 0.11626183 1.1253199 1.1253199 1.1253199 1.1253199 0.1253199 0.11626183 1.1253199 1.1253199 1.1253199 0.1253199 0.1253199 0.1253199 0.1253199 0.1253199 0.1253199 0.1253199 0.1253199 0.125319 0.1253199 0.125313 0	Phase-1 RCT-115	1.1905501	1.1912601	1.4620652	1.321444	1.419874	Н	1.2640803	_	0.97225744	0.89099437	1.0760425		0.93076587
0.9561588 0.9816886 1.3701 1.153196 1.9528466 1.0522864 1.0522864 1.0522863 1.1405017 1.0522864 1.0523843 1.140180 1.153196 0.9561588 1.152319 1.1523169 0.9456418 0.052864 0.052864 0.052863 1.1405001 0.052864 0.052863 1.1405001 0.052863 0.052843 0.052843 0.052843 0.052843 0.052843 0.052843 0.052843 0.052843 0.052843 0.052843 0.052843 0.052843 0.0528440 0.052840 0.0548439 <	Apha-1 microglobuliv/bikunin precursor (Ambp)	1.0281191	1.0477533	0.6700303	0.74757355	0.71018726	\vdash	0.82361805	0.9184158	0.9051377	_	0.92607456	1.5115155	1.0155208
1.1253169 0.9210874 2.1018015 1.1463662 1.1628187 1.1281572 1.25816476 1.128762 1.307529 0.8454601 0.8956833 1.1441008 0.158271785 1.187687 1.18768	Phase-1 RCT-18	0.9561588	0.9816895	1.3701	1 1534785	1.1386138	1.0951895	1.0799139	1.1564075	1.0528646	1.0583413	1.0966085	1.2590121	1 0101109
1,0520525 0.9507624 2.0384336 1.6374074 1.813244 1.3846589 1.1625913 1.2287749 1.4915003 0.758543 0.758543 0.9785482 0.9885482 0.98854	Maspin	1.1253169	0.9219874	2,1019015	1.4463663	1,7281572	1,5598475	1.2378262	1.3075296	0.8454601	0.89558333		0.75271785	0.5878282
1.012203 0.88416265 1.1250051 1.026052 0.7541630 0.8754148 0.89463356 0.9745323 0.62622138 0.7264639 1.3765163 0.7541732 0.7	Decorin	1.0820525	0.9507624	2,0384336	1.8374074	1.813244	1.3648599	1.1652913	1.2287749	1.4915003	-			0.85371244
1,312367 1,176348 1,023625	Retinoid X receptor alpha	1.0123063	0.89416265	1.1258051	1.0681371	1.1250315	_	_	0.97433263	1.0436534	-	1.0758456	1.3716977	1.200167
1,312367 1,175848	Cellular nucleic acid binding protein (CNBP)	0.9197855	0.8888959	0.8282339	0.7749042	0.7517588	_	_	0.97469413	0.6252138		0.55604374	0.6472673	0.87950546
1,234/733 1,024682 1,0072167 0,072167 0,072167 0,072167 0,072167 0,072167 0,072167 0,072167 0,072167 0,072167 0,072167 0,072167 0,072167 0,072167 0,072167 0,072167 0,072167 0,072167 0,072177 0,096853 0,072173 0,096853 0,072173 0,096853 0,072173 0,096853 0,072173 0,096853 0,072173 0,096853 0,072173 0,096853 0,097273 0,097274 0,0097274 0,097274 0,097274 0,097274 0,097274 0,097274 0,097274 0,097274 0,097274 0,097274 0,097274 0,097274 0,097274 0,097274 0,097274 0,097274 0,097274 0,0972	NADPH cytochrome P450 oxidoreductase	1.3123367	1.1763488	1.4819287	1.283225	1.5450389	1.23513	1,424303	1.1922088	1.6840928	1.4437758	1.789624	1.4941272	1.2914773
1,0022894 0,0276370 0,02783722 0,0278272 0,027827 0,02	Maic enzyme	1.2397933	1.1023852	1.0772167	0.9107265	1.0779536	1.0643975	1.3321173	→	0.392538	0.8048199	1.0621585	0.6589663	0.78480154
1,0202894 0,9278312 1,1802802 0,9883894 0,9278312 0,9883894 0,9278312 0,9883894 0,9278312 0,9883894 0,9278312 0,9883894 0,9883893 0,9883894 0,9883893 0,9883894 0,9883893 0,9883894 0,9883893 0,9883894 0,9883893 0,9883893 0,9883893 0,9883893 0,9883893 0,9883893 0,9883893 0,9883893 0,9883893 0,9883893 0,9883893 0,9883893 0,9883893 0,9883893 0,9883894 0,9883893 0,988389 0,9883893 0,988389 0,9	Coxpatin	0.085853	0.800//434	0.07787776	0.91303073	0.92049000		1.1003633	-	0.07020280	0.00183013	0.0091323	0.7044807	1.0129330
1.303882P 3.006532 0.0888884 0.0874724 0.0898884 1.024706 0.0171672 1.2708858 0.084122 1.047836 0.084122 1.047836 0.084122 1.047836 0.084122 1.047836 0.084122 1.047836 0.084122 1.047836 0.084122 1.047836 0.084122 1.047836 0.084122 1.047836 0.084122 1.047836 0.084122 1.047836 0.084122 1.047836 0.084122 1.047836 0.084122 1.047836 0.084122 0.087832 0.087832 1.047838 0.087837 0.087832 0.08782 0.087832 0.087832 0.087832 0.087832 0.087832 0.087	n55CDC	1 0202894	0 9278312	4 1602RDB	-		_	0.87495345	1 1316959	0 9008254	0 RE05592	1 0412344	1 4588141	0 99880147
10,000,000,000,000,000,000,000,000,000,	Poly(ADP-ribose) polymerase	1.3036892	1.3005532	0.98883694	-		_	1.0347806	0.9171672	1.2706858	0.994122	1.0457635	0.9959393	1.1090475
1,761672 1,056974 1,145596 0.8973827 1,0323625 0.8017583 0.8567255 0.85871405 1,147529 1,174294 0.88101684 1,3813324 1,0172689 1,1026892 1,2871468 1,287	Tissue plasminogen activator	0.99089175	1.0128971		0.91188174	0,9832287	1,02526	1.0561055	1.016892	1,0479386	1.0272671	2	0,95734596	0.9387948
1.0120689 1.1058092 1.3571469 1.1051044 1.0074305 1.2802753 1.2802753 1.1562897 1.1477538 0.67062775 0.7460713 0.7460738 0.7460738 0.746074 1.0074305 1.1405653 1.030281 1.030281 0.380597 0.9714775 1.057175 1.057175 1.057175 1.057175 1.057175 1.057175 1.057175 1.057175 1.057175 1.057175 1.057175 1.057175 1.057175 1.057175 1.057175 1.057175 1.057175 1.107478 1.057175 1.057175 1.057175 1.057175 1.107478 1.057175 1.057175 1.107478 1.057175 1.107478 1.057175 1.107478 1.057175 1.107478 1.057175 1.107478 1.057175 1.107478 1.057175 1.057175 1.057175 1.107478 1.057175 1.107478 1.057175 1.057175 1.107478 1.10	Muttidrug resistant protein-1	1.1761672	1.0596014	1.148509	0.8973927	1.0323625	0.9017593	0.9550255	0.95971406	1.1415226	_	0.98101664	1.3183824	1.2401835
0.97844756 1,0191449 1,2035097 1,1892859 1,3275175 1,0375993 1,1405853 1,037381 0,338365 1,0457332 1,1510222 0,8674009 0.986823256 1,1916395 2,0503433 1,74739 1,9090474 1,5659097 2,032906 1,571754 1,3949261 2,376596 3,0806988 1,531059 1,0217709 1,0517709 1,0303628 0,1258549 1,0217709 1,0217709 1,0303628 0,1258549 1,021707 1,0217709 1,021709 1	Phase-1 RCT-207	1.0129689	1.1058992	1,3571469	1.1681944	1.0074805	1,2802753	1.2479931	1.1362997	1.1477638	0,67062575	0.7480131		0.72386056
unral protein bela 1 0.86652256 1.1819256 2.0503433 1.74739 1.9090474 1.5659097 2.0239069 1.577564 1.377564 2.378566 3.0806988 1.8331068 1.026223 1.0246232 1.024639 1.1273606 1.1014991 1.0517709 1.0150708 1.1303688 0.91642286 1.0246236 1.0545712 1.2479612 1.022623 1.0613712 0.80539197 0.8728182 1.3189046 1.1031755 1.1149786 1.6255291 1.5025436 0.944785 1.0505147 0.90788394	Phase-1 RCT-181	0.97844756	1.0191449	1.2055087	1.1892859	1.3275175	1.0375993	1.1405653	1.0302811	0.939366	1.0437332	1.1510322	0.9674006	1.1123501
0.8642112 1.2719256 1.584589 1.1273606 1.1014991 1.0517709 1.0150708 1.123658 0.91642731 0.7557548 0.75559527 1.2878705 1.024538 0.11104083 1.1365695 1.037818 0.8721965 1.140303 1.1149786 1.0525291 1.5025438 0.944785 1.0805147 0.90788384	Gap junction membrane channel protein beta 1 (Gib.)	0.96853256	1.1916395	2.0503433	1.74739	1.9090474	1.5659097	2.0329068	1.5717654	1.3849261	2,378586	3.0806988	1.8331068	1,5878716
1.023623 1.084838 1.1164083 1.037818 0.3721965 1.140303 1.1149786 1.0525291 1.5025436 0.24785 1.0808347 0.0044785	Aquaportn-3 (AQP3)	0.9642112	1,2719256	1.584589	1.1273608	1,1014991	1.0517709	1.0150708	_	0.91642296	1.1236649	1.0545712	1.2479612	0.9537413
1.0646389 1.1104083 1.1365695 1.037818 0.97621965 1.140303 1.1149786 1.0525291 1.5025436 0.944786 1.0505147 0.90768384	Myelin basic protein	1.023623	1.0673712	0,80539197	0.9728182	1.3199046	1.1031755	1.1292752	٠.,	1.2565731	8	0.75559527	1,3876705	0.9540068
	Calgranulin B3	1.0646389	1.1104083	1.1365695	_	0.97621965	1.140303	1,1149786	1.0525291	1,5025436	-		0.90768364	0.9433808

Phase-1 RCT-158	0.9565282 1.0615103 0.82766527 0.83342936 0.86047447 0.9822069 1.0062772 1.0507134 1.2394054	1.0615103	3,82766527 (.83342936 0	.86047447	0.9822069	1.0062172	1.0507131	1 2304054	1 096613	0.9209001	1 096613 0 9203001 1 6847055 0 02004040	03084040
Proteasome activator 28 alpha	0.99599527 0.96598816 0.7495771 0.7216821 0.86399837 0.74735254 0.90401506 1.142743 1.994961 1.0471732 0.7477777	0.96598816	0.7495771	0.7216821	0.8639931 0	6996375 0	74735254	0.90401506	1.1432353	1 1993951	1 0359153	0 72708668	4 27 27 20 4
												2000	1
(1) Gene expression data for 72 hour timepoint													
for all 72 hour predictive genes (Table 23).													,-
								-					
(2) Compound and dose abbreviations as in Table 1.													
(3) Individual animal number								1		1	1		
(4) Liver inflammation classification for compound													
dose group at 72 h; yes-necr, necrosis observed; yes-both, necrosis with inflammation observed;													
no, no histopathology observed													
(5) Predictive gene (as in Table 23 and as								1		†	+		
inctuded in Table 26)													

Table 30. Expression Data for 72 Hour Timepoint (1)													
Commissed Days (2)		П	П		\sqcap								
[7]	AZA 30	_		BAP 30	BEN 1000	BEN 1000	BEN 1000	BEN 250	BEN 250	BEN 250	BLIS 14	BI15 14	RI 19 14
Amirical Number (3)	1829	2347	2348	2349	2037	2038	2039	2027	2028			1748	1740
Con None (5)	2	2	8	8	no r	2	2	9	2	8	2	2	2
Phase 1 PCT-107	1100110	1000											
Retains homocytoins mathalicascharach	0.73142314	0.7142405	0.81017196	0.7349405	0.9051704	_	0.93411756	1.1676675	0.73324174	0.6700099	0.770788	0.8266852	0.90788397
Profferation cell pudear actions nero	0.277500	1.231416	1.1022598	1.6492082	0.7105645	-	1.2323554	1.3290441	0.92106205	0.9933548	0.8964349	_	1.357828
Cytochrome P450 2D18	0.047.7.050	4 001 1578	208402	0.83/0611	0.9487455	-	0.92054105	0.85082054	0.85082054 0.92202383		0.9530206	0.89036536	0.8840921
Cytochrome P450 2C11	0.05210564	0.7474882	0.8823069	1,0810784	1.2508193	0.7130977	1.4035865	1.0826889	_	_	1.2730256	1.2386988	1,0121467
Phase-1 RCT-290	0 5500364	0.0926070	-	0.76350115	1.1316131	1.3520124	1.0466636	1.3090224		1.1185842	0.8534187	0.50444925	0.76673245
Phase-1 RCT-59	1 3213576	-1-	0.8044490	1.1854625	0.76094854	0.8863219	1.0634284	1.2843778	0.96912676		0.80003214	0.755285	1.0845941
Beta-actin, segrence 2	0 88202444	.1.	0.000000	0.0310923	1162528.0	1.068983	0.9210914	0.8492366	٧,		0.619146	0.55518335	1,0133615
Phase-1 RCT-292	1 0838637	0.50000253	0 0700707	1.0008207	1.2104632			1.1561888	0,9565587		1.1667067	1.3137206	1.2610158
Pyruvate kinase, muscle	1 4377003	0.7002373	-	0.6245135	0.9146635		_	0.98103964			0.7441289	0.8901258	0.89804536
Osteoactivin	4 4064507	0.00011000	πI.	707CEEDE.0	1.5133659	1.0757774	0.9967832	0.84655786	_		0.8705793	0.8925622	1.1804818
Calorandin B1	4 2505036	0.70330004	-	0.9368166	_	1.1497789	1.0558296	1.0276345		0.95417994	0.77430826	0.72810533	0.99842703
Andipoputalo Atl	0.3465646	0.37438075	1.0029863	0.89597094	_		1.145995	0.9242735	0.90848595	0.9946749	1.0421301	1.0122898	1.045917
Connexin 32	0.9100043	4,1070174	U.SUU/Z/4 0.45181423	0.45181423	0.7038816	-	0.83348715	1,489308	0.9021405	1.142229	0.8286327	0.808836	1.1043884
Phase 1 PCT 400	0.0091462	1.155488	0.7771542	1.0334357	1.1942397	0.9394704	1.3685362	0.9891223	1.0199225	1.0107514	1.1378717	1.4948773	1 329832
Chaire methylamore	214/3334	-	1.0459028	1.0469099	1.0627174	0.7249818	1.215206	0.93232745	1.0329255	1.0110549	1 247419	1 008683	1 2070813
Colors commo lodono	0.39990503	_	0.84916556	0.7744513	0.9673993	1.0206501	1.054314	1.3632704	0.6994995	0.5862431	0.9854073	0.73918337	1 3488361
Dhana 4 Dort ago	0.3286299	1.332763	1.1483657	1.2499074	0.9687213	0.63188654	1.2361953	1.2850347	1.455677	1.1256082	1,4096702	1 4551622	1 1884141
11 - 12 - 12 - 12 - 12 - 12 - 12 - 12 -	0.71734554	1.2626958	0.9602958	1.2165221	1.1188514	0.8270977	1.2311041	1.2047098	1,2319404	1,3974558	0.9601595	0 9149379	4 4BRIORE
Carponic annydrase III	0.08136	0.45479453	1.141592	0.47611085	1.5424666	1.0420501	1.8967223	2.819897	1.3566618	0.8310047	1 2613963	_	0.000000
rhase-1 RCI-/8	0.7580867	_	0.87289155	0.9883577	_	0.8828036	1.0025762	1.1865907	ı۳	1 0264778	0.0007000A	-	4.4070570
localis life con the control	0.23192853	1.1035111	_	_	0.79369426	0.73486525	0.94743687	1.349404		1.3739301	1.0888771	0 92710334	0.8602225
And enforcementations	0.37035337	1.1034846	_	0.92887574	1.0847634	-		0.78738296	1.3650273	1.3056902	1,4077797	1,1036257	0.9182893
Phase 1 BCT 185	0.4962/33		1.3876237	1.216413		1.0215791	1,4580069	1.3765302	1.1569061	1.0026655	0.81813806 0.76804286	0.78804286	0.9244348
Cofflin	4 4060340		0.92857208	0.8601549		0.76209897	1.5273117	1.24653	1.1096141	1.0398601	1.1407094	0.835798	1.0425584
Stathmen	0.1300270	40010004		_	-	0.94409496	0.9886786	1.1164256	1.135401	1,2132947	1.4247706	1.159303	1.1644197
60S ribosomal protein LB	1 824074	4 0820090	4 2420000	-	0.89153355	0.9986449	0.6386228	=	0.98903805	0.9954862	0.82510126	0.9204439	0.8018185
Calpactin I heavy chain	1 3593363	0.81743776	1 0442207	1 4044440	1.0412484	0.653012/	_	_	0.9719821	0.97432405	1.465312	1.1800829	1.0979178
Collagen type II	0.70145947	0.645554	0 744283	0 0440040	0.000000		_	-	0.86058176	0.8675928	1.0717795		0.98458797
Phase-1 RCT-179	1.1693785	0.9040349	1 1635467	0.0440010		1.1440845	0.34123344	0.7732662	0.9583302	0.95024127	1.5536934	0.970741	1.0920753
Voltage-dependent anion channel 2 (Vdac2)	1.6957951	1 25/5265	1 2619334	1 3226562		0.76003404	0.6110	1.14/6456	1.1285342	1.1974391	1.1755471	1.4347752	1.0461354
Phase-1 RCT-192	3.4208527	0.75086284	-	0 71977025	-	1 1991222	1 001017	1.1243004	1.1032137	1.1561669	1.2612063	-	1.188067
Adenine nucleotide transfocator 1	0.91043293	0.72264206	100	0.834797	0 9068423	-	0.82517888	4 1044794	1.000010	1.07.13344	1.030/496		0.83286315
Thymosin beta-10	1.2631198	1.119317	1.1637752	1.2710003	1.427014	_	-	0 89497185	4 0000000	128/0/04	-		0.89855225
High affinity IgE receptor gamma chain	1.024774	0.836903	1.17582	0.931718	1.3379341	1.0103543		1 0306318	1 0805398	1 032437B	7 000001	0.91033433	1.0236069
(I-certiganma)											1871 0700	0.005300.0	1.1620204
Uncomplete service 3	0.81356394	1.199802	_	0.98284876		0.9851142	0.9421686	1.1360788	0.9045605	1.1049803	1.0442452	1,1056265	0.95322675
Phase 1 DCT 24		0.9362439	1.1254663	1.1691501	- 1	0.9415544	1.216734	0.82837063	0.90165335	0.9460508			1.2343676
Phace 1 BCT.31	-	0.85321375	1.0547823	1.0436784	1.	0.98889506	1.0385071	1.2946788	1.0686017	1.0379144	1.0073506	_	0.74518865
Cyclin D4	0.80003696	1.2062394	- 1		4	0.8304955	1.916273	1.4716856	1.1821285	1.3269012	12245398	₩.	1.034503
In Finding emplain	1,100/1/3	0.8404434	-		_		0.9772311	0.855703	1.0732175	1.0045903	-	1.0217469	1.2867069
Zioc foner motein	1.2180369	-	1.2088739		_	1.0463545 0	0.88349086	0.975083	1.0199732	1.0596234	0.8515394	0.81227195	1.0021703
Phase-1 RCT-138	1 0406406	0.8048567	0.94010305	-	-	1.0257889 0	-4		0.95047164	0.91273737	0.7472868	0.9014929	1.0574871
Alpha-tubulin		4 40500044	1.0814918	1.0270139	٠.	1.0545361	1.1956809	_	1.047683	0.99567485	0.9424908	0.9150881	1.0282143
Aloha-prothymosin	1.3400341	1.1050293	1.1102129	1.145896	_	듸	0.79998076	-	0.79355985	0.8174322	1.4341286	1.4761744	1.1045039
Calpain 2	1 285774	4-	0.03067216	1.2/4/164	1.2767922	4		1.2571452	_	1,1435899	1.2243212	0.8547036	0.7844808
Phase-1 RCT-12	1.695876	-		0 80780855	1 0062476	1.96820/04	-	0.96260905	-		0.890797	-	0.97558767
Cathensin B	0.8696116			1 2050en4	1	4	1.03/1935	1,000000	0.8/81523		_	1.1397407	1.1007844
Phase-1 RCT-24	2.2779536	2.2779536 0.69032955	_		+	L	-	0.04522154	1.005/85/	1.1033843	_	0.97828317	1.1089082
Melanoma-associated antigen ME491	0.83943474 0.46969375	0,46969375			1_	1		0 0483482	1 0265379	0.776500		1.3208374	1.1176499
			4	1,00000001	4	1.02000000.1	4	0,54054021	1.030337.3	0.8786986	0.8105096	0.7377471 0.9421308	.94213086 ₁

WU	03/03307	ζ.

Phase-1 RCT-68	4 4242802	4 4040075	4 400,000	, 20000									
Cydin G		1,0382359	0.9539309	1.0879321	1.0337416	1 0939637	0.9283909	0.9488069	0.99966156	0.9113449	0.93064356	0.8852686	1.0042715
Hypoxanthine-guanine phosphortbosyltransferase	1.0326027	1.0203968	0.90796965	1.1034418	0.9767149	0.68620884		0.8857088	0.826262	0.7554023	1.2945741	0.9518978	1.099178
Tissue Inhibitor of metalloproteinases-1	1,0918638	0.890623	1.3228962	1.1419069	1,5197718	1.4303877	1.0752618	0 8002867	0 83399548	0 8224A67B	0.0575088	O RA 269606	0.06404767
D-1	1.7006416	0.91018355	0.899657	0.96313685	0.8867182	1.1593407	0.9927584	0.7844077	0.79582655	0.76594865	1 1782869	-	4 2614016
Ribosomal protein S9	1.3967657	1.3490418	1.1576551	1.4237312	0.8234019	0.72817004	0.973701	0.8929449	1.1997304	0.9336507	1.3643243	1.0726833	0.93823063
Ribosomal ample Ca	1.4730558	0.85153866	1.1508398	0.99766165	1.0298542	0.9250947	0.9828153	0.8731903	0.8692938	0.88147026	0.8397486	0.9217719	1.1511713
Ribosomal protein S17	23542352	13764111	1 3232287	1.3090/5	1,2672893	0.8619207	1.4808013	1.1272455	12637554	1.2709147	_	_	1.0224441
Nucleoside diphosphate kinase beta isoform	3.3242455	1,2286618	1.0921459	1.1741147	1.0298749	0.9143966	1 2315038	0 9302101	1 030018	0 9380457	1,102/694	1 025600	0.98467207
Phase-1 RCT-121	0.73600936	0.6282476	0.93004628	0.6098528	0.8520106	1.0747252	0.7157901	0.9160819	0.8821367	0.88025665	0.7969895	0.9928327	0.96179545
14-5-3 Zela	1.1592737	0.84969374	0.8965724	0.93464506	0.85087385		0.86558897	1.0003654	0.841208	0.8152799	1.3925308	-	1.2669629
Beta-tubulin, class 1	2.2601/93	1.2895632	1.2323554	1.2353194		0.8703739	1.3836125	1.0856886	_	1,1374098	1.2281413	1.1216782	1,0852697
Organic cation transporter 3	1 546774	1.4343242	1,319400	1.392365	Ħ٠	0.97416276	1.1584315	0.9083484	0.9226453	0.78874797	1.5409166	1,5389589	1.0206302
Beta-actin	0.7794975	0.80813595	0.8541617	1 2246727	0.307.1021	4.0050504	1.3325048	0.9688837	_	1.0046504	0.9150084	1.0142077	0.9462636
Cathepsin S	1.021293	1.0877686	1 6541262	1 1219262	1 1647305	-	0.9171230	1.0300303	1,000,000	4.000120	1.0993/12	1.1594/63	0.9955575
Biliverdin reductase	1.2323927	1.0420711	1.1145922	1.1027629	1 0093299		1 0073342	0.037.5400 0.037.673	O BREEZANE	1.035276	1.0114268	1.086/886	1.4757975
Phase-1 RCT-154	2.0430875	0.7850464	1.0187016	0.8785542	0.9251086	1.0520084	1 0029156	0.9946966	0.965987	0.73706218	-	0.00009970	1.0343041
Phase-1 RCT-293	0.9224728	1.2008556	1.3799914	1.197904	1.7621447	1.1750623	1.4691037	0.8535771	1,0210873	0.9496139	0.7828382	0.7685795	0.86762017
Annexin V	0.94885385	1.0325953	1.1029941	1.0554248	0.9026006	1.0185215	1.0519643	0.921005	1.118881	2	0.83322215		0.88428813
Comprement ractor I (CPI)	1.4178866	1.5489458	1.5052885	1.3018781	1.5377402	1.0916836	1.219861	1.1097711	1.1596334	1,2586263	1.2168313	1.2141863	1.1064612
Tracks animates	1.0776616	1	1.0998352	0.98602694	1.1090678	0.91078925	1.2333301	1.2222514	1.0973458	1.0620038	0.7979239	0.83113986	0.86912376
Chethion complete	1.0966268	1.7488841	1,0576845	1.2865059		0.75758195	1.358928	1.3195057	1.1713815	1.2651095	0.6772327	_	0.74828684
Helidio de discondele	0.7117954	1.1835043	1.1184565	1.2743407	2	0.67243993	1.4321299	0.9533326	1.3506052	1.0677469	1.7937425	1,5364897	0.8812103
Carbonic antwinses III company	0.25650585	0.83887166	1.5603467	0.89516026	1.3121176	1.0388213	1.7138325	1.6449374	1.567918	1.374128	0.8190827	0.7136079	0.8792981
Phase-1 RCT-92	0.4402047	0.70740000	1,21036/8	0.8277403	1,2930998	0.9618558	1.6203104	1.515221	1.4848889	1.2547387	0.9463226	0.7331132	0.8956158
Transitional endoplasmic reticulum ATPase	0.94859195	0.8820166	1.0974638	1 0368942	0.89902204	0.0857353	1.0239486 0.84250485	1.4107603	1.3251274	12216482	1.2631543	0.9108015	0.9863233
Phase-1 RCT-88	0.4600316	0.72760195	1,1058184	0.7270177	1.0883614	1 0953187	_	1 2075085	20	4 4446469	1.3378303	1.230935	1.1471248
Phase-1 RCT-296	0.4428437	1.489199	1,2187653	1.1457603	0.77019423	1.0924244	1.4682772	0.7625347	1438431	1 1765046	1 6294748	1 4925274	1 1728101
Phase-1 RCT-161	0.31106746	0.64872736	0.79214644	0.7111182	0.859289	1.1143267	0.90011454	1.0272293	ᅩ	0.93752295	1 2739813	1 105804B	0 78728155
Glutathione S-transferase theta-1	1.1615282	1.637086	2	1.1300261	0.9234102	0.79955155	1.0906599	1.1124417	1.0428691	0.9949669	1.2949823	1.3989816	1.0915068
Phase-I RCI-168	1.021565	0.9052505	0.99406797	0.94162995	0.8423293	0.96300364	1.0250148	1.0183924	1.0649315	1.1681743	0.93957645	1.1150498	1.2885447
MIX4 American	0.64743614	1.0085448	1.2002113	1.0060817	0.94127893	0.68954206	1.0633597	1.2515844	1.1496046	0.94576013	1.1519854	1.1740179	1.0219277
Dhase 1 DCT 64	0.48865375	1.0954101	1.4085459	1.2513661	0.9803923	1.0710346 0.91902745	0.91902745	1.6244599	1.0716865	0.9597351	0.79896945	0.83141226	4
Phase-1 RCT-43	0.972189	1.0302714	1.0628395	1.018509		0.7652832	1.2923003	1.0503477	1.0577362	2	0.81780257	0.9027453	0.9657707
Phase-1 RCT-178	0.57045835	0.46226844	0.0911320 0.666844	0.47537353	0.80667406	0.92524225 4 040E884	1.0794586	1.088951	1.0025655	1.0889592	1.2683542	1.2418574	1.5663332
Apolipoprotein CIII	0.39300805	0.87054651	: =	1 0271734	3 6	-	4 47375B4	1.1309143	4 0464308	4 0476787	0.973254	_	1.1324285
Phase-1 RCT-98	0.88302654	0.8925944	-	0.79266167	-	+	0.84767556	0.9934315	1.0553612	1 0075483	0.30120373	0.8/620/6	0.75623244
NADH-cytochrome b5 reductase	0,7627323	1.133877	0.9866618	1.2080007	0.99856424	-	1.3494244	1.0112607	1.0922321	1.118832	8	0 7871683	1 096866
Apha 1 - Inhibitor III	0.20726845	0.7523111	0.77810293	1.1106013	1.3074633	0.7511292	1.2669687	1.3403766	1.3732904	1.747658	_	0.77704555	71700287
Pamovonasa 1	0.48931617	0.7039739	0.74885005	0.6576007		\rightarrow	0.94212556	1.2583588	1.0560149	1.1107209	1.018387	0.71946784	0.8730228
Presentin-1	0.30202330	1,9333347	0.000000	1.8180087	-	0.85586476	1.0779369	1.0476077	1.2649457	1.4494388	1,3704696	1.3983389	0.996643
Apolipoprotein C1	0.55781704	0.8550804	4 4879404	0.00000		77708054	1.1829492	1.3487341	1.3671846	1.6418871	1.0326602		0.7379825
Cytochrame P450 2C23	0.3718227	1 087542	1 2884505	1 2465504	1.1654/01	0.6/1/1097	1.760457	1.4877951	-	0.87099695	1.0040104	89	0.90359706
Phase-1 RCT-227	0.359174	1.1867534	1.1043403	1.3853403	. l		1 3034838	1.0942/45	1.2130143	1,26135/1	4	_	0.684924
Hepatic lipase	0.35546094	0.8521653	0.6083686	0.86878175	0.8339197	ıΈ	0.79465497	1.3503981	1 1444099	1 095601	1 2773750	0.00224635	0.97162995
Phase-1 RCT-164	0.567269	1,0568389	1.1784492	1.3834275	0.8109757	0.9781462 0	0.91565496	1.0867054	1.1984155	1.0400144	82848987	718	0.8916456
Multidrug resistant protein-2		1.5343723	1.5238523	1.1975721	0.99749327	1.0645893	0.9895806	0.808524	0.87154776	0.9262476	1.4572119	1.3278049	1.2645026
N-Minner growin ractor I, exon 6	ı	1.0761082	0.9493622	1,001006	0.94774157	1.0110703	0.9557478	ш	1.2708176	1.3499405	1,195696	1,2506033	0.9919701
(ST1C1)	0.41792068	0.8903882	1.2770107	0.9767152	0.9928929	1.0045737	1.0563786	1.2624698	0.95133826	1.4696425	1.0394673	1.1583676	1.012859
Dynamin-1 (D100)	0.61613804	0.83580816	0.8813726	0.8808237	0.8340156	1,120753	0.8736473	1 2150725	1.0570892	1 0090847	0 72344274	0.6846824	0.8203244
DNA polymerase beta	1.2536064	1,2544768	1.3694757	1.2834631	1.1453756	0.8603166	0.9893442	1.0982983	1.1937805	+:	┸	+_	0.8942794
						ı			1200 1001	1. Inducation	7.00000	1	0.05741 07

Phase-1 RCT-173	0.74381205	0.8552747	1.04109	1 1096245	0.8185605	1 034622R	O ZROROA	1 0804074	0.00521315	0.8000522	0.0333551	0.84530648	0.04646206
Ubłquitin conjugating enzyme (RAD 6 homologue)	1.4088408	1.0478432	1.133723	1.1227317	0.78715118	0.8152418	0.8822445		1.2037276	0.9841311	0.8046921		0.989395
Ribosomal amedia 1434	4 4400500	4 2004409	1	1 045000	0000000	200000							
Dhase 4 DCT_444	0000000	100011000	1.1/3313	1.3130001	1.16/1850	_	1.3814647	0,90263164	1.0166959	0.95221355	1.3317786	0.9380477	0.9932083
TIESCH ACI-144	1.09/0395	10.911614	0.9085678	0.7890953	0.86815405	-	0.91316724	0.9088324	0.898292	0.87605196	0.7942173	0.855005	0.8572915
Vesicular monoarnine transporter (VMAT)	0.92486944	1 0120884	1.1100933	0.4003825	1.0531057	4 0313826	1.056163	1.0647132	1.0523001	1.0614903	1.2809914	1.0993278	1.0501595
Phase-1 RCT-273	0.93018585	0.8031311	0.91949517	0.85667074	1 2415221	0.9857707	1 240216	9		1.0733602	0.7040681	0.8562438	0./380/6
Phase-1 RCT-230	0.9083772	0.762079	1.0144832	0.7830585	1.1829228	1.0396498	-	0.84526145	0.9075408	0.83291614	0 717357	0 7309389	0 8593866
Phase-1 RCT-74	0.95536965	0.65835404	0.72008777	0,65954137	2	-	_	-	0.83713806	0.8480225	0.80694646	٠.	0 78939354
Phase-1 RCT-80	0.9428203	0.67955625	0.8131585	0.7214198	-	1	1.0841286		0.82652706	0.7660992	0.6513488	_	0.7275241
Phase-1 RCT-158	0.9453022	0.6961604	0.80002534	0.6098568	0.85609055	1.1007233	+	-	0.8542287	0.8798399	0.63948524	0.61488	0.774316
Deoxycytidine kinase	0.8996944	0.82498735	0.9041004	0.90774226	0.9261885	1.1024718	0.92503816	0.82650197	1.040525	1.0489169	0.9276213	0.74915636	0.82619363
Inositol polyphosphate multikinase ((pmk)0	0.8571042	0.6325483	-	0.6863986	₩	۰.	1.0401055	0.840439	0.8914221	0.8637989	-	0.7917618	0.7492576
Neuronal cell adhesion molecule (NrCAM)	1.1047597	0.6513066	0.79544586	0.70199245	1.1421094	0.9944266	1.0465928	0.7025158	0.754193	0.7081826	0.647206	0.693538	0.7126558
Hepatocyte growth factor receptor	1.0703664	1.0889473	0.915503	1.1411107	1.0893624	1.1562079	0.9145915	0.78696716	0.83396795	0.71967566	1.1221156	0.98740554	1.1419156
Empty	0.8983948	0.7166109	-	0.68183076	1.0090557	1.0076483	0.93811655	0.7022547	0.7681365	0.647984	0.5803654	0.5489432	0.68595034
Dopamine receptor D2	1.0105915	1.3620311	1.2021655	1.2681729	1.0149573	1.0359747	0.9872234	1.1314172	1.1951385	1,2039163	0.95118165	1.105782	1.089236
rhase-1 KCI-51	0.95366085	0.7770222	0.7254397	0.720865	1.0076925	1.0163461	1.0603843	_	1.0111922	0.8960858	0.71172684	0.7759855	0.835742
Four repeat ion channel	0.97203326	0.72510934		0.6874378	0.8589208	0.9440333	0.8471656			0.8867301	0.80800307	-	0.84482324
Adrenomedulin	0.7294178	0.54438955		0.56156665	1.0210974	→	→		0.85215074	0.63749653	0.5901886	0.9429038	0.6720746
Caveolin-3	0.9595617	0.5895777	0.6805382	0.6387076	0.858731	_	6		0.820748	0.8063829	0.7511948		0.95443475
Present RC1-129	1.177978	0.630386	0.72615266	0.6407689	0.87272894			_	0.86422133			0.90307355	0.8476702
Prase-1 RCI-84	0.8340753	0.74446994	0.79514843	0.7216683	0.8695024		8	0.87455595	0.9665891		_	0.78254664	0.86136335
Description of the control of the co	0.9928782	0.9668143	1.0258962	0.837791	1.174048	1.0175198			1.0414807	1.0133386	0.9498596	0.92313004	1.0250497
Dhoead DCT 252	0.0523670	1 2274 502	1.034221B	0.753966	1.1248411	0.9644676		0.92053026	0.97177273	0.860781	0.8773144	0.919755	0.9121779
Phase-1 RCT-151	1 50303006	1 1710855	4 024 624 6	1.2492961	0.950/404	0.9265721	1.0061048	Ξt.	1.2592216	1.248652	1.281927	1.0175829	1.0899842
Phase-1 RCT-70	0 99141705	0 82461598	0 72877884	0 7475408E	800808		26100121	0.971/12/		0.09040445	7770270	1.3400024	1.0400337
Phase-1 RCT-150	0.9821709	1.0968089		1 1334056	1 1827952		1 34RS37R	1 1055553	0.9018142	0.8977182	1 4714758	1 2423477	1 1345484
25-hydroxyv/tamin D3-1 alpha-hydroxy/ase	0.73577005	0.73660386	0.7973889	0.70594025	0.8593305	+	0.83318615	0.83067673	0.8832696	0.78913563	0.7108257	0.68333715	11229568
Phase-1 RCT-119	0.7818062	0.9759615	0.84787834	0.90767248	1.0189375	1.0002472	1	1.1978037	1.313411	1.2899363	٠.	0.75686103	0.9264387
Peroxisomal 3-ketoacyl-CoA thiolase 2	2.1030467	1.4889898	1.0038978	1.3996197	1.1735317	0.8761957	1.5490313	1.3701257	1.0602139	1.0222776	1.1780803	1.5828882	1.2977586
Phase-1 RCT-146	0.90163064	0.81890756	0.82098496	0.7638132	0.8982046	1.1127162	0.8616027	0.82498497	0.94544035	0.91420263	0.70544668	0.6956933	0.74203044
Superoxide dismutase Mn	0.9773903	1,3890352	1.4774569	1.4629307	1.2777001	0.78304017	1.110386	1.1104456	1.0722833	0.97865224	1.3923302	1.1504905	1.2056875
Phase-1 RCT-115	0.9987348	0.7316462	0.7889273	0.79406524	1.1263459	0.9527578	0.9262144	0.81585616	0.798269	0.7167799	0.82754018	0.85836375	0.91062593
Alpha-1 microglobulin/bikunin precursor (Ambp)	0.8410222	12573711	1.2025913	1.1508174	1.1911471	0.6508022	1.5434134	1.1323805	1.0716091	1.1059785	1.3424433	1.1163338	1.0670485
Phase-1 RCT-18	1.1370975	0 77052738	0.83752658	0 77079548	0 8623078	0 9825864	0.86370385	0 8866487	0.00519259	181711600	0 9700/817	90000000	0.0484688
Maspin	0.8689377	0.91314584		0.83575284	1.1025361		1.0181675			_		0.7741336	0.6695521
Decorin	0.95130386	0.64680475	1.0226591	0.3164752	1.025155	1.0044997	0.9975509		0.81466025	0.86887836	0.8169273	0.78278773	0.727167
Retinoid X receptor alpha	1.1945384	0.69699868	0.71527195	0.6790144	0.95126	1.1821458	0.9009827			0.81818694	1.0832388	1.1713302	1.1270566
Celturar nucleic acid binding protein (CNBP)	0.6838088	1.108388	_	1.3303168	0.9311855				1.100257	_	_	0.92983636	0.9056585
NADPH cytochrome P450 oxidoreduciase	2.049034	1,0987967	-+	0.93377805	1.1359322		_	_	0.87668935	_	0.89615387	1.2136476	1,3056045
Caspaca 1	0.49688146	1.4232943	0.85324105	1.0771904	0.8846154	_		1.024461	1.0577185	1.081103	0.6832709	_	0.81440943
Cystatin C	0.303200	1 0605918	1 4650305	4 222/67	1 2014105	0.7504463	4 40200454	4 0470400	0.6453964	4 0574445	4 422984515	4.4406500	0.9619032
psscoc	1.0718423	1.459468	1 0148687	0.8907179	0 84915394	1 1898832	0.8275030	0 6870033	0.9466764		0 04422584	1.1480332	1.0474000
Poly(ADP-rtbose) polymerase	1.2187282	1.028819	0.8772701	1.7006366	0.8329671	+-	+-	_	0.84006745		1 1377742	_	1 1434 295
Tissue plasminogen activator	0.967958	0.9473354	0.85541835	0.9247072	0.96080476	_			1.0074824	1.0572953	1.0224247	0.9295122	0.8748591
Multidrug resistant protein-1	1,7496847	1.6613973	1.5027198	1.1022202	0.99778104	1.1051728	1.0062608	0.85981214	0.85925	0.9147982	1.2875256	1.2250693	1.1687099
Phase-1 RCT-207	1.291643	0.7774006	0.9309809	0.9347801	0.8596423	1.1037924	0.7383014	0.9220811	0.808013	0.78479235	0.6879979	1,2464557	0.91260767
Phase-1 RCT-181	0.7370218	0.8730193	_	0.91643685	0.870792	1.0334269	_	0.84242505	1.0200114	0.9720082		0.95124114	1.0964903
Gap Junction membrane channel protein beta 1	1.0149734	0.87900156	0.4543308	0.73368156	1.4557312	1.0304836	1.11928	1.020568	0.8151162	1.0013268	1.2539138	1.4014801	1.8647183
Aquaporin-3 (AQP3)	0.9330002	0.78836524	0.7020149	0 7018076	0.91305834	1 0244967	0 89349724	0 94549746	0.06111345	0 8082802	0 7005174	0.8645832	0 83884056
Myelin basic protein	1.1207024	0.85523975	0.8273882	0.9134491		-	_	_	0.81101155	0.8507183	1 3047372	_	1 3908151
Calgranulin B3	1.3587458	0.93844277	0.95086724	0.9556114	1.0037698	+-	-	_	8	0.90054274	0 9568179	1 0760739	0 9419831
						-8			200000000		21100000	127 227	0.0710001

se-1 RCT-156	1.3056443	1.3056443 1.0005314 0.7993933	0.7993933		1.0477419	0.672004 1.0477419 0.842767	1.0537775	1.1551683	0.9625714	1,0537775 1,1551683 0,9625714 1,0862372 1,012525 1,1063913	1,012525	1.1063913	1.1800071
teasome activator 28 alpha	1.0633702	1.0633702 1.4184581	1.6625012	1.5465195	1.1948743	1.6625012 1.5465195 1.1948743 0.67887868		1.4350364 0.86876276	1.0518527	1.12212	1.12212 1.2527548 1.3931342	1,3931342	1.198631
						-				-			
Gene expression data for 72 hour timepoint presented as mean ratio of treatment/control all 72 hour predictive genes (Table 23).													
				1									
Compound and dose addrewadens as in ole 1.										·			
Individual animal number													
Liver inflammation classification for compound to group at 72 it; yes-necr, necrosis observed; e-both, necrosis with inflammation observed; no histopathology observed					- 1								
Predictive gene (as in Table 23 and as uded in Table 26)					·								

Table 30. Expression Data for 72 Hour Timepoint													
	\prod												
2)		90		CAD 2	CAD 2	CAD 2	CAR 16	CAR 16	CAR 16	CCL4 250	CCL4 250	CCL4 250	CHCl 3 250
	627	628	629	6374	638	639	1857	1858	1659		2048		1627
martination Classification (4)	2	2	٤	2	2	2	Si Si	2	no.	увя-лест	yes-necr	yes-ner	2
Dhase 1 DCT 107													
Polytica homographics	0.9413157	0.81/5/2/		0.85488544	0.83684087	_	0.8367502	1,3881271	1.0904388	1.0904388 0.83838035	0.5097365	0.8211671	1.0436077
Designation coll and a control	1.0972499	0.51259667	_	0.34189126	0.6463215	0.22061689	0.22560033	0.7926675	0.37133485	0.84819384	0.40573958	1.0057766	0.96532947
Contracting cent nuclear anagen gare	0.88832426	1.0724043	0.9362658	12198149	_	0.89695233	1.3174077	1.150227	1.0542336	1.0520881	1.3001784	1.0824805	0.8692914
Odochom Die 2010	0.8791995	0.8/91995 0.48800954		1.1645223	0.9351507	_	0.72882515	1.22754	1.0498057	0.7857627	0.63792104	0,9022843	1.1316547
Diego 4 Det 200	0.3021371	0.00220367		0.42051163	0.96739936	-4	0.9508049	0.89162296	0.76225764	0.7230483	0.60267264	0.6021777	0.8732858
DEC-1 RC 1-280	1.1585186	0.7725083		0.634636	0.8556271	0.5994872	0.4366021	0.8605556	0.5210409	0.6957201	0.4584549	1.0227278	0.95009696
PTRSG-1 KC 1-58	0.9625121	0.9031705	-	0.80327696	0.8645518	0.972289	3.5630996	2.6064954	1.7264248	0.8976132	1.0931864	0.9150231	1,4390785
Deta-actan, Sequence 2	1.1085948	2.1499083	2.8420577	1.9619273	1.7954544	-	1.1473204	0.8185862	1.0506712	1.328087	1.169625	1.0848084	0.96828634
יומאן-יאל	1.026/116	0.94980365	1.0773171	1.1744982	1.1335309	1.1038461	0.82120895	0.94083124	0.95297384	0.84675914	0.82924783	0.8989288	0.9301136
Pyruvare kinase, muscie	1.0721862	0.9030008	1.1117191	1.319308	1.1423928	1.1922361	1.2966167	1.048933	1.091483	1.1180258	0.83157486	1.0811096	0.9010863
Csieoacavin	1.099122	1.0665325	1.172157	1.7863933	1.1931956	1.2394882	1.1410328	1.1045834	1.0791085	2.0058315	1.9926043	1.8306382	1.0019327
	1.0334004	1.069343	1.3357502	1.2159463	0.9760068	0.8419901	1	1.241617	1.1506641	1.3178092	1.4913837	1.065474	1 1249061
in Ail	0.77221614	1.914279	2.8755283	2.7586767	1.6149586	0.6085442	0.24395797	0.5343935	0.47672057	0.7002698	0.35863864	0.4930623	0 7524521
Connexin-32	0.9037707	0.93830323	0.9548865	0.9897215	0.88933825	0.9239802	0.9736014	1.4769739	1 2931671	1 0437133	0.69110304	0.0851075	1 8244777
Phase-1 RCT-109	1.0147148	1.5853276	1.9990431	1.7071104	1.2716018	-			0.96288383	1.1022388	1 0939122	1 0246424	0.06959703
Gycine methytransferase	0.7331911	0.78911173	1.5491124	1.1693579	0.8255915			1.3155428	1214059	0.49816102	0.3624067	0 7805239	1 1719779
L-guiono-gamma-lactone oxidase	0.7966122	0.427835	\rightarrow	0.55840653	0.5169122	0.62214396	0.39564782	0.56315696	0.46919945	1.3268253	0.8930489	1.0984423	0.85080337
	1.095533	0.973993	1.4320648	1.0535504	1.1717652		0.6711399	0.7811276	0.83147764	1.0573386	0.92767348	1.0025015	1.1042953
ise til	0.78045344	0.5732025	0.813779	0.2245908	0.49641147	0.5665064	0.30890968	0.85074365	1.0509824		2 28333285	0 9996855	1 6325665
Phase-1 RCI-78	0.9453382	1.1898044	1,1710012	1.0400124				0.945805	0.945805 0.92963505	0.9067008	0.8544339	0.8181267	0.89345706
	1.0659472	1.2079859	1.1646607	1.1230413	1.2803812	1.0487993	0.28232285	0.47333592	0.43466014	0.7327986	0.7899811	0.5858128	0.6980456
And authorogenee		1.2053192	1.0882589		1.3351289	_		0.7364326	0.59897023	0.8062836	0.852684	0.746143	0.91881245
	= .	0.94528884	0.8093521	-1	0.89629865	0.7546067	0.39982694	0.68095696	0.6378617	0.75140816	0.890447	1.0234623	0.85839244
	4 4454040	1,001500	1.0445453	0.8295537	1.0181258		0.66858006	0.74426013	0.66858006 0.74428013 0.91374296	0.7877311	0.77913934	0.99290717	0.8598035
Stathmin	0.886/513	0.002/1/00	4 4 2000 70	1.0400041		-		0.84295136	0.898046	1.0684772	1.2092881	1.1345481	1.0015084
60S ribosomal protein L6	1 0292033	1 34 28 235	1 3447003	4 45504 40	1.1054342	-	0.96342516	0.9573752	1.0127932	1.4218938	1.7862334	1.3602635	0.94310164
Calpactin I heavy chain	1.086534	1 0345411	1 081480	1 3812785	1 1311082	+	0.0809036	4 2222007	0.83353364	1.1025578	1.3074186	1.038103	1.3277925
	0.96236223	0 7002208	1 3465031	_	-	0.00770447	1.314104	1.3332307	1,200267	1.2950685	1.3677496	1.2208787	1,3199887
79	0.9101587	0.8301364	1 148668			0.037.20117	1.332/124	4.0745794	1.05/4185	1,7398632	1,8588164	22144415	1.0109729
Voltage-dependent anion channel 2 (Vdac2)	1.0741417	1 2761326	1 3867217	1 800847	4 5170078	4 4603404	1.1300084	1,0743231	1.1404939	4 405004	1.2330016	0.9237534	0.9120464
Phase-1 RCT-192	1 2242922	0.98067164	1.190821	13025424	1 205556R	1 292597B	0 0480455	0.8448888	0.0052004	1,4000034	1.538085	1.2423893	1.1013749
Adenine nucleotide translocator 1	0.87119055	0.61931634	0.8674933	0 6030012	0.5993428	0 6/27052	_	0.011000	0.0002000	1.3/841/8	CP82009.1	1.1/20944	0.94/3034
	-	1.1918932	1.2875615		0.87273395	0 7290412	-	O SRRAGRA	4 4026748	4 0454343	1.0003100	1.132/83	0.8/3/416
High affinity 1gE receptor gamma chain	1.108287	1.2941557	1,4825243		1.502082		0 88780106	08369	0 04072606		4 254547	4 4720324	4 000540
			_						2		1	7007	20000.
asmic	S)	0.87533534	0.7878638	0.8837703	1.2578299	1.1429021	-	0.51903874	0.8082217	1.2430302	1.0796582	0.9244675	0.87893945
Phase 1 PCT.34	1.0536292	0.97172993	1.117478	1.2188777		0.9121676	1.4547507	1.1121657	1,3100665	1.11779	1.0441632	1.1008842	0.8512478
Physic-1 RCT-34	0.9000109		0.01/104533	1.1030862	-	4	1.3637823	1.216318	1.1456633	1.2922055	1.3714998	1.2102054	1.1279124
Cyclin Di	0.002000	0.24 13231		0.30431	0.646282	-		1.1477653	1.0591369	1.371177	1.6408532	1.4489369	1.3962831
IoF hinding amtoin	4 2050000	4 7770077	_	0.73893305	0,7142174	_		0.98037976	0.9509335	1.3488333	1,579639	1.4743768	0.90443236
Zinc finder contein	1.2000003	1.7770077	_		1,9515463		1.0296745	1.0513932	0.9734221	1.1097196	1.1591631	1.1494908	0.9854609
Phase-1 RCT-138	1.1318028	4 0847496	1.0438920	_	0.82956505			1.173207	1.1812947	1.03759	1.1270909	0.9707479	1.0139899
Alpha-tubulin	1 0300450	4 4023522	1.0002000	1.0149440	1.334211	-	-	0.87625946	0.8806634	1.0421757	1.1127105	1.1065526	1.1034983
Apha-prothymosin	-	0.43448144	0 5857368	0.0030/35	0.0090082	0.0093219		0.8008812	1.0400246	1.6833117	1,3153723	1,3282275	1.0154225
	_	1 156135	1 2218287		4 3432267	10427504		1,000000	0.8434385	1.1708087	1.4159213	1.0929669	0.9631168
XCT-12	-	0.63706654	0.8158476	0.8981123	0.7687039	1.013/304	4 2027454	1.0266903	1.0828367	1.0/15/2	1.0701485	1 034 1055	0.9604392
Cathepsin B	-	1,9319571	1,7701547	1.5647726	1 9731442	1	-16	_	1.1050232	1.02071	1,313/904	1.4/848//	1.1345938
Phase-1 RCT-24	1.1323692	0.6409109	0.9921198	+-	ıΙω	0 94348484	1 1576204		1 0274378	4 0807458	4 4645909	4 4576730	1.0392579
Melanoma-associated antigen ME491	0.9953169	1.3276935	1.0112805			Ļ.,	4-	1 1949859	1 0900705	1 4773765	1 2688578	1 7500877	1.003/620
						4	4	. 1010000	וייט וייט וייט	131 600 1001	10100000	1.430800.3.	1.4305/1

Phase-1 RCT-68	1 0341538	1 1438953	1 1478230	1 SESENTE	4 24 ABADT	4 44 24 EOD	1 2140001	4 4 4706480	4 42200000	4 4740054	4 90407541	4 04200500	0.07045405
Cydin G	1.0569682	1.0296562	1.1624857	1,2803415	1.0893412	1.0854487	2.9569696	2.3807028	3.258532	1 0237881	1,3008399	1 1303773	0.9099666
Hypoxanthine-guanine phosphortbosyltransferase	1.0529081	0.74803233	1.0307884	1.042244	0.76853436	-	0.72789663	0.699069	0.7886922	1.0057204	1.0234536	1.0276684	0.94816846
Tissue Inhibitor of metalloproteinases-1	1.1551563	1.8392805	1.5332922	2.231075	1.4629217	1.233323	1.369147	1.138424	1.2571045	1.0054823	1.4146969	1.1861635	1.1166444
<u>.</u>	1.0540423	0.7184796	0.8389352	0.99985904	-	_	0.88266784	1.2587246	1.230579	0.9324467	1.0281152	0.942087	0.8994963
Kibosomal protein 59 Heme ownerses	1.1315293	0.94318223	4 0643400	0.9542063	1.0317105	1,055616	0.94896716	0.8111987	1.0082144	1.0928938	1.3019788	1.143338	0.807597
Ribosomal protein S8	1.1942743	1.5600298	1.6450206	1.6552973	1.901067	+-	0 78036827	0.74002427	0.82976676	1 2497532	1 3446913	1 0737239	1.0300183
Ribosomal protein S17	1.337588	1.4335813	1.5461757	1.5287377	1.8742467	-	0.7041142	0.56819083	0.85073574	1.2143977	1.221496	1,1047949	1.1587939
Nucleoside diphosphate kinase beta Isoform	1.3663622	1.5598345		1.3820508	1,3680536	-	0.91531795	0.91198483	1.2081472	1.3118549	1.4543111	1.2710446	1,1382263
Phase-1 RCT-121	1.0431366	1.0005095	=	_	0.7417699	1.0111972	1,318387	1.0826743	1.1381892	1.0425304	1.0895827	1.0205204	0.9787075
14-3-3 zeta	0.9000934	0.75700665	0.8971722	_	0.83247614	_	1.8772742	1.6516932	1.6336448	1.2152431	1.4221846	1.0976837	0.9437727
Beta-tribulin class I	1.1133198	0.43381312	0.5133053	1.6339314	1.7855631	1.1418878	4 4046475	0.7459639	0.8311378	1,1377889	1.2077099	1.0808362	1.0273097
Organic cation transporter 3	1 068411	1 3185735	1 2200881	0 9468162	0.0130148	0.9237004	0 938855	0.5020303	0.85227333	1 1210350	10/02/07	1 055300	1.103074
Beta-actin	0.9290886	0.5598569	0.79809415	0.7334646	0.9184553	1.072198	1 8051938	1 240286B	1575066	1 4084526	1 1207388	1 183385	0 85405433
Cathepsin S	0.9363895	1.7859417	1.3383412	1.5229292	1.6338322	1.4315379	1.0852981	0.93567	0.998913	1 0891922	1 1142695	1.1235511	1.1147763
Biliverdin reductase	1,0892258	0.8462465	1.0904614	1.1936193	1.1367571	1.0836538	1.4541475	1.2521261	12213544	1.1003774	1.316425	1.2566149	0 92220217
Phase-1 RCT-154	1.09756	0.9735604	0.6455876	1.0849309	0.9623003	1.0062271	1,2482911	1.2396216	1.1304674	1.0653132	1.3830305	0.956562	1.0839413
Phase-1 RCT-293	0.94270736	1.1559908	1.3943821	1.5456153	1.3557298	1.4896467	-	0.94816864	1.0649359	1.0060487	1.1000072	0.99901285	0.9683994
Annexin V	0.8909894	1.1425751	1.282336	1.2745287	1.1334479	1.110877	1.3277035	1.0342758	1.2647789	1,2309636	1.1099993	1.0752969	1,0241947
Complement factor i (CFI)	1.1162838	1.7900925	1.8337492	1.7587571	2.673748	-	-	0,93142426	12465368	1.0147135	1.3945721	1.122782	1.2324314
Prase-1 RCI-2/6	1.0222511	1.0435286	_	1.0481189	0.8280046	_	0.5874562	_	0.741641	1.0619423	1.161385	1.0718168	1.2055304
Challion anniconalise	0.6540383	0.91065425	. l .	0.84334624	1.0540736	ਜ਼⊺	0.52730685	8	0.48044452	1.1488484		1.1490792	0.9751938
Chuldural peroxidase	0.7208087	1,34/82/8	1.05/904	1.305/933	1,85533/3	1.4921211	0.8715445	0.7533797	0.7834588	0.984658	0.9106519	1.3552614	2.010538
Corporate actual and a second	0.88875514	1.0496582	1.2468932			0.9655688	0.5720448	0.8150984	0.7897544		0.8624543	0.7865063	1.0831065
Phase 1 PCT to	1.03433030	0.72304030	1.0292840	0.9002834	0.78559187	0.74561876	0.50/3048 0.806439	0.806439	0.71128464	0.9165273	0.83128893	0.75427306	1.0940048
Transitional endoplasmic reticulum ATPasa	0.96142364	0.8493851	_				0.91570085		0 91320145	0.995198	-	1 034594	0.9629602
Phase-1 RCT-88	0.9879973	1.031677	+	0.9826635	-	٠.	0.7837293	_	0.8649419	-	-	0.78765464	0.9116348
Phase-1 RCT-296	0.6334842	0.62822807	1.2816992	1.4006228		₩	0.42315423	-	0.59412825	_		1.102776	1.3097128
Phase-1 RCT-161	0.85271853	0.49903888	0.65850353	2101	0.61084765	0.7374716	0.7778599	1.1972619	1,0629773	1.4547825	1.995838	0.926111	1.1413506
Glutathone S-transferase theta-1	1.0747991	0.94947048	0.99556047	0.84077567	0.6974619		1.2562506		1.8597338	_	1.5281421	1.2046309	1.0133662
Phase-1 RCI-168	1.0193028	1.1902146	1.2677609	1.2797205	1.1171018	_	0.61542815		0.72480786	_	0.80880934	0.9050113	1.0541831
Prase-1 RCI-182	0.85667684	1.4200408	1.1778277	0.9971715	1.3056347	-	0.74621457	_	0.83829355	0.8219084		1.042537	0.8722926
JNK1 stress adivated protein kinase	0.96736443	1.2810981	· 0	0.8280049	1.0060792	1.0062686	0.6053468	0.7656408	0.8061491	-	_	0.96650517	0.93621725
Diese 1 DCT 23	1.93808340	Transa.	+	0.9/940266	_	1.0401231	1,5941308	-	0.9945181	-		1.0792885	0.8153347
Phase-1 RCT-178	0 98955095	1.0200372	1.0298368	0.96268266	0.94/8841	0.78534186	0.7704U/4	0.8615/244	0.8518/50/	0.855602	0.7185448	0.78540705	1.1576717
Apolipopratein Cili	0.97434866	0.89295024	+-	0.5910866	_	0.83002377		0.8206225	0.6803416	-	-	0.93986523	0.78418106
Phase-1 RCT-98	1.0104785	0.82483405	0.8286338	0.8260918	0.72524184	0.84275377	87	4	0.90400237	0.7854089		1.0058944	0.78832574
NADH-cytochrome b5 reductase	1.0098094	12108554	0.984916	1.2668086	1.2722616	1.0523027	0.65127707	0.6948123	0.59384704	0.8005886	0.64030147	0.87087864	0.9494381
Apha 1 - Inhibitor III	0.628192	0.54312295	0.76746833	0.6916961	8344339	0.7869307	0.6093119	<u>@</u>	0.67788047	0.8651519	0.6133087	1.0745806	1.0605315
Priase-1 RCI-233	0.9440259	1.038585	1.3063301	1.140448	-	-	0.5931678	_	0.6652055	0.9388318	0.9935469	0.9211093	0.9940073
Presentin-1	0.6717431	0.5738198	4-	0.03030/0	1.5015250	0.9366692	0.43001330	1 0646205	0.00/00/00	0.0004301	0.9760407	4 432746	1,0204080
Apoliocordein C1	1 1418918	0.8929913		0 782818	_		0.27185422	3 6	0.41341543	0.6146088	-	-	0 02023545
Cytochrome P450 2C23	0.8498911	1,0235347	0.82704437	1.1638527	1.5414809	_	-		0.8707982	+-			0.9741973
Phase-1 RCT-227	0.81166375	0.85503614	1.015839	0.78260535	_	0.77903175	-	1.0038046	1.0346432		_	0.74564064	0.92249113
Hepatic lipase	0.6511015	0.7663036	0.6773834	0.5585136	4	0.5080766	0.6068096	0.6419228	0.46137613	0.7000697	0.6309499	0.8692528	0.8909997
Phase-1 RCT-164	1.0054892	0.99407953	0.99923486	0.5770691	0.9048551	1.0635598	0.7892118	1.005794	0.9086702	0.9232338	0.76195145	0.87378218	0.9783812
Mulidrug resistant protein-2	_	0.8735251	0.72241133	1.0488412	0.9148727	-	2.6751242	3.2041466	2.5671992	882	1.3615278	1.4796067	1.1354089
Institutionitie growth factor I, exon 6	<u> </u>	0.9267264	-+	0.94080414	_	-	0.70808744	0.96348566	0.7843484	-	0.83376958	0.811426	0.8968087
N-hydroxy-z-acetylaminofluorene sulfotransferase (ST1C1)	1.0534015	0.89914984	0.92977434	0.6120065	0.8335594	0.64625067	0.4344387	0.9115717	0.7448509	0.82690936	0.8834655	0.7622323	0.85535043
Dynamin-1 (D100)	0.95889384	0.94640744	0.99481344	1.0780069	0.90452343	0.9281922	0.80294394	1,1082141	0.8801926	0.9682944	1.041187	0.90916765	0.9105309
DNA polymerase beta	1.081534	1.0704784	1.1491803	ш.	1.0868845		0.8437412	0.7572463	0.6983968	1,2631202		1.1379282 0.9270823	0.92708236

Phase-1 RCT-173	1 147203	0.9845681	1.0495013	0.620447	0.58587664	0.8678386	0.8971723	1.0118228	0.9821044	1.1899408	1,3871306	1.293887	1.0483091
Ubiquitin conjugating enzyme (RAD 6 homologue)	1.0942103	0.93689764	0.94109994	0.8059041	0.812269	0.8803934	1.1525109	1.0265478	1.1984125	1.1691686	1.3387586	1.1723818	1.2830906
Ribosomal protein L13A	1.1952212	1.197738	1,3888159	1.8730823	1.0759896	1,2042919	1.0160464	0.8730946	1.0321352	1.0548769	1.0254123	0.9730259	1.0101775
Phase-1 RCT-144	0.8868567	1.0188708	0.9428757	1.0447061	0.9409286	1.0075805	1.0124658	1.0343456		1.1031113		_	1.2569329
o-H-ras	1.0045537	0.857471	1.1192682	1.3336314	1,115029	1.0655885	1,2789121	1.2611691	1.2791941	0.99410474	-	-	0.95674443
Vesicular monoamine transporter (VMAT)	1.2774237	1.4987715	0.96220287	0.8892758	1.1954308	1.1141624	1.3620435	ᆏ	1.2356947	-		1.0893814	1.0185335
Phase-1 RCT-273	1,1316817	0.93051153	0.8946936	1.0420281	1.0571722	1.0547863	1.1485056	-	0.98130286	-+	-	0.9827665	1.0081483
Phase-1 RCT-230	1.1908368	1.0748166	-	0.99610114	1.2207761	1.0037527	1.3190461	1.1389757	1.192879	1 004/312	0.9014226	0.0734876	1.0521188
Prase-1 RCI-74	1.0125064	1,0364302	0.9613624	1.0114/22	1.01/413	1.0214230	4 4552072	1.3702030	1 0081902	0.881802	_	0.96904796	1,1219606
Prase-1 KCI-50	0.000000	4 0507085		4 0416673	_	4 0494099	0.0804085	1 0853733	-	-		4	0.96297187
Prizate i Kole 1500	4 40.42858	1.0397.003	-	0.80170534	1 0124584	1 0318562	0.9961741	1 1817752	_	+-			0.86230716
Deoxycyddine Nriase	1.1042030	0.0482418		0.85862935	1 0923385	0 8858982	1 1921955	1 4146999	1.0786743	_	-	+-	1.0364053
Meaning and adhesing majorde (Art. AM)	0 0262475	0 7706464	_	+-	_	0 87998977	1 8362514	20154173	1.4098521	+		1.0256073	1,0835763
Heretocke amuch forter recenter	0 9287204	0 75556713	1 0456634	+		1.1609416	1.3021513	1.349452	1,1752199		-	1.0526314	1.3580049
Fanty	1 1262058		0.87434614	0.7797183	0.8803649	0.9243221	1.6844639	1.7003748	1.1177793	0.6820628	0.750032	0.80898345	1.3070084
Documina recentor D2	0.9882132	0.9056199	0.78607506 0.92409986	0.92409986	0.8828317	1.0086313	٠	0.93163065	1.024183	1.3372025	1,4405721	1.5820576	0.94762933
Phase-1 RCT-51	1,1374006	0.9809046	0.9513728	0.91822165	1,1095499	1.0095782	-	0.87448	0.87448 0.89968115	1.0465764	1.0638521	1.0270783	1.0831859
Four repeat ion channel	1.0777166	0.99305403	1.0141723	1.0141723 0.91656816	1.0144492	0.94849	1.039585	1.2242976	0.9593142	0.976635	0.9940235	0.963239	1,1038805
Adrenomedullin	1.2909682	1.0166806	0.8897927	0.88873804	0.9989101	1,0173882	2,529198	1.6804885	1.3247814	0.68795437	0.7148274	0.8172687	1.0128188
Caveolin-3	1.0067738	0.9492927	0.8720596	0.88495624	0.82526493	6.0	1.1050932	1.4407475	0.99717164	0.9753449	0.92620957	1.0068612	1,2335129
Phase-1 RCT-129	1,1568241	0.7972688	1.0370356	1.0511705	1.0630985	1.3398033	1,302399	1.5841054			0.91098577	0.928509	1.0134842
Phase-1 RCT-94	1.0428718	1.1498997	1.1222962	1.1607207	1.1606482	1.1409786			_	_	0.92460805	0.9643626	1.0594232
Sarcoplasmic reticulum calcium ATPase	1.0461708	1.4324766	0.9600284	0.9400993	1.1124177	1.0654886	1.1045943		0.97966814	1.0429484	1.0282274	1.1855446	0.8644909
Phase-1 RCT-79	1.1320223	1.1117017	0.8743839			1.02919	1.207432	0.96668524	0.9784764	_	0.95657116	1.0274407	1.0903406
Phase-1 RCT-252	1.0314988	0.95167303	1.1347648	_	0.81950223	0.55326736	0.40333733		0.6229232	1.2828507	_	1.1524371	1.2039304
Phase-1 RCT-151	1.1323687	0.9826158	0.9991287	1.1086315		1.3472047	0.929161		0.99193156	0.9383633	-	0.88838017	1.0673797
Phase-1 RCT-70	0.9807675		1.0880171	1.0023574		0.87769234	1.1689023	1.2417084	1.0342878	1000121.1	0.8231478	1,0312317	4 2455207
Phase-1 RCT-150	1.0096604	٦.	0.7794308	0.9171306	0.8072455	0.922893	4 050004	4 9474006	7797979	0.88300307	0.8600281	0 86354675	0 94668483
25-hydroxyvramin U3-1 apra-hydroxyrase	1.0300037	0.03756807	0.0215505	0 84664845		0.83078945	_		0.6802956	1.2790909	1,3034483	1.2319027	1.1171147
Damvisoms 3-ketnered-CoA thiolass 2	1 2457116		1 6229625	1.5332347	1.2155102	1.12687	-	0.99646634	0.9835013	12100469	1.1587147	1.4020818	1.2862482
Phase-1 RCT-148	1.0875362	上	1.0528523	1.2360928	1.0033671	0.89033	1.1277527	1.0746533	1.0489885	1.0928171	1,280334	1.1679989	1.0837922
Superoxide dismutase Mn	1,3490118	1.6230375	1.1979994	1,365724	1.2091496	0.8982131	1.230921	1.0239867	1.3258122	1.1092683	1.1434693	1.1585974	1.1864102
Phase-1 RCT-115	1.1045287	0.7437316	0.77551794	0.9655954	0.9552599	0.9738523	1.8812768	1.9857835	1.6146903	1.2492148	1.1713016	1.3224268	1.1178282
Alpha-1 microglobulin/bikunin precursor (Ambp)	0.8851687	1.2558982	1.1286409	0.9866916	1.2606028	1.0718158	0.76780075	0.86603487	0.9077508	0.912204	0.9538372	1.0835345	1.0245979
Phase-1 RCT-18	1.0318893	1.0375388	0.9755421	0.99532896	0.9985491	1,0045902	0.9444354	1.0336978	0.8773177	1.0201975	1.1288812	0.9880498	1.2099793
Masein	1.174049	L	0.9261201	0.9377938	1.158334	1.0622519	1.4170004	1.3873547	1.0571852	0.8925551	1.0381029	1.0453535	1,0334201
Decorin	1.0403863	2.0997808	1.8146551	2.4164965	1.2343402	1,3175455	1.3427068	1.2846521	1.100443		_	1,2350111	1.0328742
Retinoid X receptor alpha	0.8841892	0.8327328	0.89069456	0.93236494	0.7961924	0.7283967	1.4573038	1.4846795	1.4699668		ᆔ	0.95445657	0.9647824
Cellular nucleic acid binding protein (CNBP)	0.7828373	н	ш	1.0057234	1.1321529	1.041117	0.905074	_	0.82958883	1.0882118	1.0787271	1.0214577	0.8570168
NADPH cytochrome P450 oxidoreductase	1.1202277	_	그	0.85333014	0.6547692	0.84898067	1.4762832		1.5013148	1.1344429	1.0605117	1.13019/	0.9208475
Malic enzyme	0.9731214	0.8094274	1.02041/8	0.908/1285	0.71156085	0.897094	1.3404400	1 2400135	1 1718038	1 1030985	+	0.98116463	1.1776356
Castaga	4 4464726	_		1 0406005	1 1505317	0.9524197	0.9837139	0.8434849	0.8354943	1.1297824		1,2230195	1.086228
DESCO.	0.8647809	_	0.94162005		0.87371475	0.9082173	1,5090599	1.2914269	1.1103399		0.90405357	1.2825875	0.996911
Poly(ADP-ribose) polymerase	0.99622893	١.	0.8967898		1.0083522	0.97264725	1.0639886	1.0738014	1.033394	1.0727965		0.98731416	1.051136
Tissue plasminogen activator	1.0170196	L	0.9877754	1.0392473	0.9957702	-	0.8979803	0.87672555	0.9667089	1.0353717	1.0576382	1.0456386	1.2717144
Muttidrug resistant protein-1	0.8691108	0.6721649	0.71699625	1.1628461	0.8237516	1,4737546	3.3900235	2.570621	3,0859964	1,3651092	1.2567679	1.469048	1.0857857
Phase-1 RCT-207	1.0488476	0.8707481	0.99999994	0.67178005	0.7377786	1,0055585	2.829484	1.9779414	1.771263	1.0888054	1.2031789	1.0610529	1.0023454
Phase-1 RCT-181	0.9124378		1.20644	1.2685659	1.1743115	1.0489506	0.7828528	0.8760701	0.7983195	0.84616226	0.8331976	1.023852	1.12/0132
Gap junction membrane channel protein beta 1 (Gib1)	0.9778957		1.0958788	1.0274904	0.804739	0.6811612	1.0974425		1.325745	1.0424844	0.037 0.361	1.0180020	0.830380
Aquaporin-3 (AQP3)	0.9116323	0.96410567	1.0068259	0.9723379	0.9904214	0.94323387	0.93614566	-	0.91238964	0.8421468	0.877265	0.9126553	0.93956614
Myelin basic protein	0.7488901	0.6768958	0.7686923	0.87962223	0.7166473	0.99730957	1.3314215	1.1451164	1.2045507	0.9336182	0.8391332	0.8439214	1.0197842
Calgranulin B3	1.1454931	1.0399321	1.1467838	1.0455005	0.98378843	1.3868836	1.0781338	0.8982956	0.9799548	1.036531	1,034,798	1.0038812	1.0388355

Prese-1 KC1-156													
	0.00042304	0.98545974	0472499	0 9074044	0.0000007	1000000	10000000		ľ				
Proteasome activator 28 alpha	4 447022	4 4 22222	2000	2.000	4 447000 4 4200000 0.000000000000000000000000	1.0804905	1.1207283	0.8971817	1.1516382	0.99955875	0.98278887	1 DON 7 RAA	0 0207250
	2	1.1202283	0.88588034	1.0052883	1.2761179	12189189	0 9700087	0 400447	4 0007400	10470000			0.0201
		•			1.002/163 0.2091/6/1 1.0921249 1.0930482 1.2377565		10000	1000	1.002/163	/9/LACATO	1.0921249	1.0830482	1.23775E5
(1) Gene expression data for 72 hour timenaled													
ייין איניין איניין איניין איניין איניין איניין איניין איניין איניין איניין איניין איניין איניין איניין איניין					-	-							
are presented as mean ratio of treatment/control					_		_	_	_	_			
for all 72 hour predictive genes (Table 23)								_	_			_	
TOTAL CHARGE TOTAL						-							
									_	_			
(2) Compound and dose abbreviations as in													
Table 1				_	-	-							
(3) Individual animal number													
(4) I har information of position for the last									-	-			
וייי בייי יייינייייינייייי רפספוורפוומו ומו כמונסמוומ				_									
dose group at 72 h: yes-necr. necrosis observed.							_						
ves-hoth necrosis with inflammation that					_		_						
יים ביתיי ווכא ספוף אינון חוויסון ווויסון ווויסון מתצפועפם							-						
Ino, no histopathology observed						_			_	-			
										_		_	
(5) Predictive gene (as in Table 23 and as									1				
(included in Table 26)						_	_		_				
							_		-			_	

Table 30. Expression Data for 72 Hour Timepoint				,									
(1)													
Compound-Dose (2)	CHC! 9 2ED	Т	- 1	Т	П			٦					
Animal Number (3)	עניין פיזיווין				CHEX 0.5			CHEX 2	CHLOR 30	CHLOR 30	CHLOR 30	CHLOR 8	CHLOR 8
Liver Toxicity Inflammation (Jassification (4)	2000	2338	2247	2248	2249	7257	2258	2259	25	58	20	47	48
Gene Name (5)	2		OL OL	2	0	5		2	2	2	8	9	9
Phase-1 RCT-107	1 2750189	4 2525780	4 204 00 20	0.07040600	0000000								
Betaine homocysteine methylpansferase (BHMT)	1 8382601	0 65262004		4 02 400 25	0.0933424	Z11000.1	1.0281882	1.2244824	1.3795502	1.3559662	0.99809426	1.4841722	1.4848769
Proliferating cell nuclear antigen gene	0.9097262	0.81766343	0 7387173	0.7476582	1.3330606	1.503/244	1.4924613	2,3219001	1.0751051	1,7301015	1.1030817		1.8318632
Cytochrome P450 2D18	1.0301894	1.0929432	1 0840254	1 022659		1 3783246	0.708785	0.68377785	1.1399528	1.2204137	0.6917863	-	0.85639304
Cytochrome P450 2C11	0.99993086	-	+	0.84833074	+-		0.70673846	794400	1,0483001	1.393/049	1.5848188	_	1.8010932
Phase-1 RCT-290	1,5939356			1 3823284	1 158624	-	4 4004733	0.781109	1.2045391	1.2362492	1.01545/5	-	0.63455003
Phase-1 RCT-59	1,2251747	-	0.92485985	0 9140301	_	0.654.050	1.1901/33	1.5388677	1.0918809	2.0421503	1.0452602	1.288759	1.8892931
Beta-actin, sequence 2	0.901458		1.3721788	1 3387305	_	4	1 4060475	0.8285163	1,2030611	1.0937754	0.96815884	0.968745	1.0899346
Phase-1 RCT-292	0.9325755	1.0819685	1 1495725	1 087005	0 0807400	_	1,4004/2	1.4816014	0.823/315	0.9230008	1.1983411	1.1303623	1.0215905
Pyruvate kinase, muscle	0.97115666	1.0528575	0.83188456	0.8387056	1 0147122	-	0.0300430	1.1003000	1.135403	1.0933281	1.0454078	_	1.096326
Osteoactivin	0.9442192	1.8934748	1.0518706	-	0.98089767	1_	1 1139009	0.02150	-	0.87880878	4 079793	4 0700000	0.92470735
Calgranulin B1	1.0400891	1.1118251	1.3850499	_	1.0705174	4	1 1654947	1 5154033	4 SAGAZAZ	1 3212457	0 56306073	097550	1.15/1282
Apolipoprotein Ali	0.71820676	0.82231694	1.3266569	0.8107357	0.73162574	-	0.80798846	1 1394935	2 0034823	2 402744	4 5083000	4 0785500	4 0040504
Connexin-32	13231466	1.0922683	1.16919	1.0163159	0.94457084	+	1.1530075		_	0 83020044	1 4345740	2 445744	1.0040304
Phase-1 RCT-109	1,0213104	1.2865695	0.9872579	0.91976595	+	1	0.5391783	-	-	1 3785454	1 0050263	4 007477	4.30604
Gycine methyltransferase	1.4642136	1.4589471	1.7805102	1.0661333	+-	<u></u>	1.1067345	3,1297202	1.353086	1 4021288	1 040358	2 1220722	1.137030Z
L-guiono-gamma-tactone oxidase	1.062098	0.64501697	2.010657	1.6903287	1.5611702	L	1.3152171	1,7635568	0.9153992	1 4380405	1.1815517	1 5444470	1 8000R42
Priase-1 RC 1-256	1.1901494	0.9142888	1.8983833	1.4154319	1.3867204	1.670757	1.544114	2.0992494	1.4161397	1,3250598	1.4828072	1 5560231	1 8240027
Decorate annyarase III	12348317	_	1.7355477	1.9182601	1,9035479	2.2348666	1.3570653		0.91302353	0.9727947	1.0544975	-	0 85522544
Ilfasor embin 2 months	1,0297524	_	0.93642265	1.1501502	1.0569673	1.0966021 0	0.93555798	1.0412034	0.9764966	1.0568516	1.1187435	-	0.86059227
inentiality product preducti	0.7202776	0.5352186	1.2244457	1.0648046	1.2583281	10	1.0702077	1.4738633	0.8738809 0.80412054	0.80412054	0.7800946	0.58717394	0.5110844
And sufficiencianse	1,0008012	0.5511067	1.2376192	1.1373	1.4084662	-	0.89160836	1.6552103	0.56362593	-	0.88415873	1.0005404	0.8356105
Phase-1 RCT-185	0.000000	7.000300	1.4204432	1.135808	0.9803048	1.24687	1.086932	1.2951322	1.0010071 0.88811207	0.88811207	0.7511435	0.8516563	0.7832292
Cofilin	0 9893438	0.85758245	1 2008007	4 4570507	4007/07/	1.3623556	1.2069263	_	-	0.7139971	0.6706583	_	0.70924294
Stathmin	0.9773857	0.8051049	1 1721686	1 1464880	_	0.03002/24	4 420 4000	-	٠.	0.90271765	12045374	1.1739458	1.0208899
60S ribosomal protein L6	1.050002	1.2428069	_	0 99019057	o v	1	1,1284696	0.9405939	1.078137	-+	1.2240943	1.2863133	1.1709479
Calpactin I heavy chain	1.2730043	1.0386509		1 1497961	ا.	1 1113557	1.1071436	1.3/3202/	1.000155	1.9609194	0.99657357	0.9876803	1.0113938
Collagen type II	0.98678497	1.1085094	0.6817974	0.6587873	١.,	+	_	1.1302248	1,2320300	12145594	1.1363053	0.9570017	1.1146849
Phase-1 RCT-179	0.92489386	1.1638247	-	1.0704336	6999	┺		+	-	0 84311384	1 0556014	1.2083047	1.3091512
Voltage-dependent anion channel 2 (Vdac2)	1.0214736	1.0745094	Ы	1.1720223	1.2773601	┺	┺	-	-	1,365131		0.8114961	1 1524177
Adenine minleodide franciscodes 4	1.0122488	_	-	0.8921563	3712	\Box	1.0530338	0.8754136	1.0352718	0.9121471	1.0899324	100	0.07380036
Thymosin beta-10	0.95821226	-	.	0.98265845	-+		=	0.77881515		0.78634715	0.9314933	_	1.2365897
High affinity IgE receptor gamma chain	0.94378024	1.0528372	0.89707464	0.9213709	1.1555454	1.1430914	1.1281111	0.07507593	1.3058318	1.2772348	_	1.0164143	0.9654376
(FcERlgamma)			_				75	#00 /OC/R*			0.60502447	0.74507564	0.5217728
Gamma-actin, cytoplasmic	1.0041891		_	0.89526755		1.2757019	1.0977484	1.1278372	1.217573	1.2618349	1.1896404	1.0354893	0.94885607
Phase 1 BCT 34	0.8524129	1.1010869	4	0.8585364	0.9524964	0.807777	1.0730325	0.9123311	1.4297596	1.3435005	-		1.05414
Phase-1 RCT-34	686012870	1.2336292	_	1.1040812	4	_	1.0205352	1.0605444	1.348843	1.1780868	1.219332	0.9936827	0.9746287
Cyclin D1	0.94591683			1.5616806	-	_	1.633561	2,2358956	1.0906733	1.1819617	1.4586194	0.8402306	1.775561
laE binding protein	0 070001		-	0.90968317	_1		0.79171586	0.6915445	0.5014579	0.642071	0.745113	1.182251	1.0578438
Zinc finger protein	1 0455244	4 2442042	-	0.89712193	1	4	4	-	_	1.0396687		0.95530283	1.0637972
Phase-1 RCT-138	1 042673	1 2854482	4 4838574	4 4626404		٠.	4		-	0.79121554	1.1229216	1.1985853	1.0929422
Alpha-tubulin	0.8986309	0 7140515	+	1.1023404	1	1.3180547	_	1.3062649	1.0651504	1.0469321	1.0549402	1.0280358	0.8969008
Alpha-prothymosin	0.95090747	0.8346818	1.1375437	1 6	4 3590928	1 0005128	1	1 2017/06/0	1.3144951	1.1400461	ωli	1,5197116	1.5592544
Calpain 2	0.7851787	1.0625377	1,1041305	غل	-	L	1 4724030	4 4205503	1.00/011	1.2604926	+	0.68901114	1.6613665
Phase-1 RCT-12	1.0174124	0.92261624	0.9372356	-	10	1	1	0 5990109	1 3177853	1.4707333	1.3520347	1.1/0220/	1.3114647
Carrepsin B	1.0193175	1.2912853			1.1172549	Ш	4	1.6196752	١.	0.9731555	1.077813	1.4063147	1.1725069
Melanoma accordated miless MC404	0.97193533	0.726193	4	_	0.80339295 0.63528407		0.7671423	0.654576	1.3492743	1.2743391	1.0439159	1.1522804	1.3453372
TOTAL TOTAL TRANSPORTER TO 1	1.63024201	1.34(1/3)	1.19312171	1,48997691	1.2056074	1.2463166	1.1764106	1,2536064	1.0674677	1.0251284	1.0768979 (0.95611763 0	0.88308974

Phase-1 RCT-68	1 0247444	1 1082497	4 0078840	4 0464760	400000	4 0001000							
Cyclin G	0.9753908	0.94216084	-	0.90262246	0.94314593		0.83999455	0 7333873	1.12/1183	1.2439942	1.115934	1.1309636	1.2373157
Hypocanthine-guardne phosphoribosyltransferase	1,2844359	0.7598425	1.2068825	1.3194538	1.0690366		1.2133619	1.0984155	1.0716854	1.1988468	1.0600398	1,3381667	1.469046
Tissue inhibitor of metalloproteinases-1	1.0258617	1.0637667	0.8853311	0.9052003	0.90892303	0.4485752	1.2678536	1 2969993	1 7725214	1 318027R	4 0708239	0.0050046	0 0000100
	0.9352789	0.9288913	0.766265	0.76526266	0.7161578	0.60303867	١.	0.71279585	1 0206863	1 0663198	1.042748	1 1218124	1 0752500
Kloosomal protein S9	0.9195357	0.9119539	1.0193293	0.9285519	1.2878051	1.3812014	_	1.5445998	0.80099314	0.799509	0.845456	0.68135047	0.7202396
Dibocond and Se	0.9201754	1.8280262		1.0394047	1.050774	1.0755113	0.9562546	1.0263407	0.95646304	0.6850266	0.6451342	0.708628	0.64171356
Ribosomal protein S17	1.0095074	1.3226397		0.97354937	1.0957122	1.3986988	1.1528349	1.6132594	0.92988455	0.9891706	1.0299382	0.7485257	0.8058868
Nucleoside diphosphate kinase beta Isoform	1.0725971	0.88087654	1 0048158	0.86929286	1,0401394	ø,	0.98039675	1.3308282	1.7802523	1.462145	1.3874545	0.81920284	1.0181838
Phase-1 RCT-121	0.96143436	1.1636872	+-	0.76798975	0.9735252	0.5603762	0.8184028	1.1956193	0.7085507	0.9283232	0.7980885	0.704084	0.9130091
14-3-3 zeta	0.91410077	0.77476436	1.115871	1,209033	1.3201776	1.1200279	1.3179392	1 0097382	1 2542893	1 1584050	0.00020030	0 7906647	1 2236444
60S ribosomal protein L6 (alternate clone 1)	1.0375687	1,3193496	1.1288651	1.0076848	1.1071721	1,4044673	1.1266532	1.4860098	1.253239	1.6449294	1.3278698	1 2875998	1 4328785
Desa-tubulin, dass i	1.0472581	0.6566534	1.0854856	1.1932161	1.3254428	1.1732299	1.4154205	1.2193633	1.0662631	0.98188716	0.80800235	0.763424	0.9007598
Retachin	0.9079131	1.2259693	0.98712903	0.9759409	0.94315875	0.9528843	\vdash	0.93855697	1.0020739	1.0025845	1.0150684	0.9038324	0.9446088
Cathensin S	0.8018556	0.5115/725	Ω	1.3662705	1.2320995	1.7272073	. +	1.6383622	1.3869315	1.5121499	1.0937084	1.5020322	2.5021272
Bilverdin reductase	4 437400	1.383046	লা	0.92364985	1.0216403	1.1430979	_	0.87680715	0.9173963	0.8592099	1.0205146	1.04435	0.7480076
Phase-1 RCT-154	4 0706214	0.9333047	0.0804053	0.86359197	1.0341108	0.9197833	1.0724921	2	1.1320002	1.9617624	1.009767	0.7711099	1.0209293
Phase-1 RCT-283	0.91979575	0.81120344		0.91068625	1.072916	0.746921	0.9863434	=+	0.96148735	1.0030313	1.1311677	_	0.93146956
Annexin V	1.0575234	0.9063979	1	4 0373245	1 22402043	1.0994301	1.1893645	1.2516011	2.0717518		1.4115978	0.95996374	0.8620106
Complement factor I (CFI)	1.0194222	1,725285	1 2740351	1 1865447	1 4541041	2 0507236	1.0004067	1.0654664	0.5280658		0.98045117	2082	0.9384557
Phase-1 RCT-276	1.1243112	1.0674924	12	0.99814487	1 0413836	10170585	1 12/00/13	4 0002478	1.21/4465	1.0922323	1.1643/42	_	0.93659323
Tyrosine aminotransferase	1,2955035	1.3298771	₩.	0.96258974	0.91242623	1.9982783	1.388241	عاد	0.0262440	0.7410473	COGGUEGO.D	-	0.62118/8/
Glutathiona peroxidase	1.1671624	1.2789958	0.97701627	1.0777937	1.0555869	2 209182	1 1943803	2 4	0.5000043	0.8785507	-	2	0.5420535
Histidine-rich glycoprotein	0.7466153	1.1900531	1,3018405	1.2900943	1.0104455	1.3248773	1.7956003		0.81582	4 4474380	_	0.0302/234	0.000000
Carbonic antrydrase III, sequence 2	0.77133447	1.1774555	1.3738047	1.2500045	0.9809258	1.2887086	1.6940672	1.3597285	0.7007298	+-	+-	0 72540175	0.74 1993/
Transfer KC -82	0.87996787	0.8386059	-	1.259452	1.2219112	1 2236814	1,349964	1.3778185	0.65332186	-	-	0.7454977	0.7277467
Phone 4 Det es	1.0306814	0.9265487	8	0.65421975	0.6117549	0.4548625 (3,59050405	0,555136	0.7239874	₩.	0.79098773	1,0063434	0.90543765
Phase 1 Der 20a	0.7554934	1.168494	1 0969161		0.90551746	0.9071588	1.2276844	0.9784096	0.78911708	1.098706	0.76026565	0.8233283	0.7172927
Phase-1 RCT-161	1.1894983	0.4302986	1.0318344	1.4294089	_	2.3346648	1.6112038	1.1519369	1.5428101	1.412684	1.3059385	325276	0.96559393
Gutatriane S-transferace theta.1	4 0504982	0.34892/1	0.9236227	_	_	0.93647116	0.86489	ĸ	0.9849335	1.0362914	0.9790769	0.8676229	0.98672086
Phase-1 RCT-168	0.96718778	1 1893188		1 0707050	1 4002020	1.0430652	1.027386	_	0.83338916	0.8275917	0.94211584	0.8672658	0.89640176
Phase-1 RCT-182	0.9266288	1 1013832	, -	0.0776530	0.0724480	1.2500914	1.2126415	1.1744128	0.92487717	0.88181186	1.0784423	1.3632368	0.99876916
JNK1 stress activated protein kinase	1.1463608	1,356761	ا ـــا	1.0709795	0.8851773	1 036872	0.920265/ 0.9682458	1.1428938	0.07870926	1 077486	0.80597093	-	0.880378
Phase-1 RCT-81	0.98360914	1.0153191	1.1661291	1.132924	1.0843575	1,173968	1.0975692	1 415412	0.872/074	1.0/21383	0.7504086	1.0457804	0.74783033
Phase-1 RCT-33	1.3540152	0.9613797	-	1.4781702	1.0214087	1.2594914	1.3221693	1.5965574	1,3133556	1.2810203	11169575	1 1969851	1 1418105
Andinometric City	0.8914381	0.78534013	0.9333253 0	4	0.48636428	0.45830035		0.53348315	0.76862487	1.0163995	0.711151	0.7521638	0.7538745
Phase-1 BCT-08	1.0680707	0.785238	1.1693285	-	_	_	1.0783584	1.1561671	0.75687766	0.80648524	٠.	0.96567154	0.7782855
NADH-cutothome h5 netrictage	4 2677794	0.6135322	1.0398902	1.013246	0.9646019	:-1	0.85225195	_	0.8729877	0.9032333	0.9584088	1.8184929	1.3692408
Alpha 1 - inhibitor III	0 04804774	0.77741450	1,40,28802	1.2926832	1.0626146	1.629108	1.502428	-	0.96514237	1.0862126	1.253259	1,1839861	1.1993883
Phase-1 RCT-233	1 0536338	+ 4	4	0.7330846	1.1208439	1.2511894	0.7884519	1.0154248	0.6191292	0.6282658	1.1857084		0.83813685
Paraoxonase 1	0.9426221	0.98646694	╀	1 1120670	1.1303873	1.042.3687	1.2625356	_	-	_	0.89125218	0.9277853	0.88266957
Presentin-1	0.96997863	0.707888	1,1011269	0.7595058	1 1401119	1 3006200	0 704040	1,0093369	0.46110813	0.70513844	0.83126557 (_	0.47066608
Apolipopratein C1	1.002663	0.9290003	1.1368703	1.0599985	0.9271419	Ļ.	0.8912359	3 5	_	0.00212100	0 5750477	72000000	0.8566056
Cytochrome P450 2C23	0.8632489	1.3367099	0.94278663 0	0.92478406	1.0541435	↓.	0.9763322	1 4652312	٠.	-	٦ħ	0.0784005	0.4219/943
Phase-1 RCT-227	0.9632665	1.0354233	1.203295	1.0980854	0.93063428	1.3006263	0.9652505	2	0.98854136		-	191520685	0.7634630
neparc ipase	1,0028395	0.4928003	_	1.1800743	1.0580226	0,9169835	1.1281025	1.0882715	0.592111	0.9571443	0 8833829	1 2955606	1 0476605
MARCH-164	1.0270288	0.9265081	_	-	0.95998865 0	0.90437895	1.0196917	1.2043636 0	.85880727	0.8356723 (3,80861205	0.7676972	0 60793144
ingulary resistant protein-2	1.0074447	1.121206	3	-+	0.78630616 0	.95575994 0	.80859435	0.7806571 0	0.95471718	1.1311151	0.82806516	0.974259	1.5471186
N-Wdmxv-2-acetylaminoflucene suffittansferase	0.0000019	0.5789639	4	1.1359165	1.2867465	_	0.8405347	1.4050672	1.3635070	1.1093729	1,3781426	2.514955	1.6484292
(STIC1)	20.787.0	0.0022110	2041905	0.9947101	1.1540767	1.1667142	0.9110986	1.324219 0	0.57236234	0.58147367 (0.61742324	0.5179471	0.4375308
Dynamin-1 (D100)	0.9834482	0.86403215	1.1829777	1.0817814	1.0112854	1 0459186	1 2497054	1 4070288	4 0800470	4 773594	_1		
DNA polymerase beta	0.9383477	0.86488867	┺	1.0997407	1	L	4		1.0090478	1.2/3531	1.0948918		0.98002714
					1	ויייייייייייייייייייייייייייייייייייייי	1.1002/051	1.2004102.	0.0000	U.5/010931	0.64491371	0.54154	0.52875847

Phase-1 RCT-173	1.0929438	1.1953342	0.8763724	0.88572395	0.945861461	0 70841508	1 0756335	0.0404976	4 0447700	0000000	110000000	0.00000	
Ubiquitin conjugating enzyme (RAD 6 homologue)	0.9506218	1.0315295		1.0136826	1.2876282	1.016601	1.0319165	1,3948337	0.77206075	0.77595484	0.8322064	0.85/581	0.0423636
Ribosomal nurtein 149A	0.00020024	4 2600000	* 00000	1111000000	1000								
Ohns 4 DrT 444	0.83059054	0760007	10004	0.91830444	0.90430754	1.1720923	1.1009039	1.2660726	1.6335803	1.3975961	1.286034	_	1,3550946
PIRSO-1 RC1-144	1.151601	0.8738882	0.7698096	0.8912505	1.0473132	0.8092386	0.8913565	0.7848666	0.9927374	1.0225378	1.0252868	0.92729956	0.93275523
CHHas	0.8039095	1,2324426	1.034875	1.0766245	1.0878763	1.2129017	1,0702138	1.1065426	1.5174942	1.06568	-	-	0.9468818
Vesicular monoamine transporter (VMAT)	1.1387581	1.1460407	0.81078726	0.8592917	0.8238393	0.6069279	0.63682455	0.5051229	0.94601316	0.9692435	-	0.789795	1,0115222
russeri KCI-2/3	1.0440537	1.0490493	0.9688519	0.982505	0.93030846	1.07048	0.89311755	0.7688616	1.1050651	0.99058956	0.813379	0.8731911	0.9032922
Phase-1 RCT-230	1.0424255	1.1047841		0.80976677	0.90286523	0.91535795 0.80572724		0.6712488	1.2828422		0.92954457	0.9142419	0.8307681
Frase-1 RCI-74	0.89450916	0.9511952			0.7314288	0.74918455	0.83031356	0.7170701	1.1212586	1.0687802	0.96094793	1.295468	1.2458466
PIRSON RCI-60	1,0373298	0.8262343			0.7191565	0.49863604 0.52746034		0.42911285	1.1422623	0.9200924	_	0.82745075 0.886764	0.88676417
FIRSE-1 RCI-138	1.0437828	1.0557498			0.7126881	0.4477179	0.570504	0.57285964	0.8638227	0.78799814	0.8289086	1.0324603	0.92092973
Deoxycytidine kinase	0.9847535	1.3911669	0.69576865	0.78395855	0.6789329	0.57801926	0.5741494	0.5049083	0.621178		0.89514376		0.8296119
Inositol polyphosphate multikinase (lpmk)0	1.1097759	0.9144571	0.889413	0.93908215	0.9712557	0.8709334	0,70077413	0.56964296	1.1014438	-	0.82398367	0 8243232 O RO1774	0.80477474
Neuronal cell adhesion molecufe (NrCAM)	1.0969524	1.1552904	0.84722847	-	0.77242476		_	0.4500012	18049144	_	1 4235246	0.865316	13118813
Hepatocyte growth factor receptor	1.0912337	1.0919375	0.75514984	0.7909001	0.81122965	0.65384614	0.71690136	0.6998936	0.8756652	0.8505459	0.6927421	0.5856477 0.69480	0.69348055
Empty	1.2383223	0.9481708	0.71830815	0.6837361	0.6388046	-	0.5490186	0 5155769	Į.	0.93946697	1 0500746	0.8526222	1 0375805
Doparnine receptor D2	0.91758424	1.0689014	1.1288776	0.99327105	0.9423516	1.0376074	-	0 91984R14	T LE	0 03602807	4 0397044	4 6666077	010001
Phase-1 RCT-51	1.1216084	1.2764157	_	0.9291629	0 9345058	0.8927864	_	0.8078374		4 4483048	4 4007000	٠.	7246444
Four repeat ion channel	1.0984821	0.9321443	٠.	0.94028588	0 84883595	0.8638032	0 8/4 4080	0 7494450	0 6032676	-	0.0070000		0.7213444
Adrenomedullin	0.88726648	1.0187354	_		0 72570527			0.43738848	0.5000000		0.07000370	3 8	0.0512003
Caveolin-3	1 1 1 2 7 2 7 2 7	0.080642	0 9525077		0 70 405 0 0 000 0 0		_	0.00010	0.3000022	+	0.00304407	_	0.04/43410
Phase-1 RCT-129	0.07034454	4 0739032	0.0323927		0.784(0.85			0.648937	0.8844217	0.8856974	-	0.8620859	0.8285823
Phase-1 RCT-94	4 0724004	4 0440477			0.0015/86	0.61330/86	_	0.45615372	0.847071	0.83932585	0.8391607	0.88658476	0.9321862
Samurasmir mile dim calcium ATDasa	4 40 / 0596	1 200000	_		CD/C7767	0.94223/03 0.73/3/426 0.936211/6	0.93621176	0.779914		1.0424013	1.1108382	1.0000618	0.9668041
Phase-1 RCT-79	4 ORREADE	4 4044027	_	0.8002265	0.8054288	0.7985292	-	0.5874262	0.9316159	-	0.8389593	0.8516403	0.70846304
Phase-1 RCT-252	4 3054030	4 4005540	0.0001334	0.828288	1,029/35	1,055371	5	0.9391303	12777705	1.0332048	0.89768237	0.9819826	0.9046735
Phase-1 RCT-154	1 4404597	1.4003043	7016795.	1.5103264	1.4456624	1.582094	1.3091772	1.809033	1.0238385	1.2212594	1.3052369	1.3694975	1,3222066
Phase-1 PCT-70	0.0040394	0.0903120	1800007	_	1.147/699	1.1298598	1.3158205	1.3223811	1.0876245	1.0085192	0.9903602	1,3622112	1,3367156
Phase-1 RCT-150	4 20040034	4 490045	1.0030/09	0.8893849	0.85148835	0.35003904		1.077606	1.2564212	=1	50024	1.5368091	1.5237895
25-hydroxydamin D2-1 sleha hydroxydaes	0 90706703	0.0750004		1.110909B		_	<u>.</u>	0.99565727	0.8041642	0.8149287	-	0.91859776	0.8695302
Phase-1 RCT-119	4 2842745	_	1 7000000	0.000U9885		0.44/00158	0.59572697	0.56944245	1.3160334	-+	0.79379827	1,395339	1.177783
Pemzisonnal 3-katoacod Cod thiologo 2	1 2/2/27	4 2707072	4 254 2000	1.4291330	1.3463327	1.398651	1.1259326	1.3204.329	1.009459	1.3546298	1.6487868	1.7984314	1.631078
Phase-1 RCT-148	1 1216377	0 04000440	0.50516050	1.1000341	1.0428576	1.4666384	_	1.318767	1.8553199			2.0770254	2388041
Superoxide dismutase Mo	1 1055705	0.0000000	4060000	0.82031340	0.60316034	0.07482726	U.W5266684	0.76394653	1.13651	9	0.99561137	0.98901397	0.932836
Phase-1 RCT-415	4 200000	4 4664760	-	1.1303013			1.2420/14	1.448/889	2.1166458	1,3065054	1.07055	0.8830745	1.1006899
Alpha-1 ratemeter tillengte processes (Amba)	4 0553044	1.1004209	-	0.02830036	-	=+	0.78717947		1.4136869	 	1.0619855	0.8247751	0.9901185
(della) memoral in months and the lab	1,0333044	08007007	361306.1	7598657	1.1758246	1.2644727	1.1695609	1.595321	0.84121984	0.8851407	0.97985405	1.0083065	1.0017376
Phase-1 RCT-18	1.0614014	0.88595116	0.8133482	0 899987	0.84881043	0.7780020		39790059	0.0404046	4 0040000	4 4 17550	0.000,	4 40000
Maspin	1.0006512	1.1326327	0.70717466	0.7416543	0 7030087	0.5214419	0 5607997	.1.		-	-	1.1032370	1,1000049
Decorin	0.9974561	1.6561749	0.77859825	0.8544032	0.7804724	-		0.801643		-	_	-	0.39001237
Retinold X receptor alpha	1.0117213	1.1120503	0.74312486	0.76403594	0.7571999	0.5269519	-	0.57638997	1 3541282	1 2994208			4 4 70000B
Cellular nucleic acid binding protein (CNBP)	0.80328166		0.92452526	0.94545436	0.9948383	1,195166	1.0128442	1.1418208	1.2765658	1 3339355	1 132881	10423511	1 1544057
NADPH cytochrome P450 oxidoreductase	1.2859615	1.0381535	0.9404747	1.0047662	0.8294338	0.86215466	1.2096521	0.88571453	2.3438286	1.8283408	1.30055	0.9324445	1,4023267
Malic enzyme	0.96869713	0.8448037	-		_	0.84227176	1.084177	0.7438758	0.6504022	1.2512875	1.0812992	1.4043353	1.1399237
Caspase 1	1.0460287	0.7753337	-	_	0.64040124	0.4540067	_	0.54272825	1.028149	_	0.83638674	1.094771	0.77504253
Consult Consul	0.8840182		-	1.0073808	1.0566652	1.1930461	1.3474911		0.8782346	0.8056421	0.7665951	0.75428398	0.7260702
Patrick Co.	1.0464994		_1			0.59896517	0.7725676	0.5744194	0.87234044	0.6865102	1.0827497	1.3310978	1.0144697
These alone and a second a second and a second and a second and a second and a second and a second and a second and a second and a second and a second and a second and a second and a second and a second and a second a second and a second and a second and a second and a second and a second and a second and a second and a second and a second a	1.2161175	_	ल		_	0.82213336	0.9020714	0.7391129	1.2570182	1.2958785	1.1166209	1.2824797	1.3923514
Medidan marietant acadain	0.98470285			0.96929795	_	0.86666775	-	0.85165746	0.7850498	0.8558322	1.1758537	1.0894964	1.0941912
Phoen 1 PCT 207	70404767	-	4	0.900/906	0.8759368	0.9379168	0.8802062	0.7493398	1.465797	1.632823	1.046808	1,5089449	2.2585268
Phase-1 PCT-181	1,10041	1.0431020	26/20297	0.824///5	1.0709904	0.6565212	1.0031072	0.857376	1.1393545	1.1142051	0.9087126	1.086831	1.1804194
Gan imotion membrane channel nuttin bets 1	0.70204030	2 8	1 284 / 23	_	1.08/429	1.5076785	1.15043	1.3004628	_	1.0439457	1.0076227	0.8573968	0.8885824
(Gbt)	0.76301020	_	0.82584975	0.8614093	0.70173454	0.9449891	1.2726886	1.2105608	1.0653778	0.95280375	1.0058433	1.5569992	1.5384859
Aquaporin-3 (AQP3)	1.0041261	0.982564	0.93896556	1.0083629	0.8272347	0.7520178	0.8131149	0.69612336	0 99969846	1 0520680	1 DESCAME	0 00555655	4 0744558
Myelin basic protein	0.9694349		١	0.92193294	+	_		-	1 1186091	1 07777372	ᅩ	1 2511820	1 0023484
Calgranulin B3	1.0698605	0.99071074	0.8544527	0.91945356	٠	٠.	1 0156228	0.9827769	1 165072	98	0 92906668	1 188935	1 1878437
							110	None and a second	1.12241	1,1,0,000	1.000000001	I I I COODINI	1. 1010101

Phase-1 RCT-156	0.88913226	0.88913226 0.97993904 1.0628765 1.166371 1.0607066 1.0753598 1.1165774 1.2155776 0.81754094 0.8660827 0.85785 1.1086513 1.025024	1.0628765	1.166371	1.0607066	1.0753598	1.1165774	1,2155776	0.81754094	0.8660827	0.9578367	1.1086513	1.025024
Proteasome activator 28 alpha	1.0299863	1.1851612	1.0516393	0.89806855	0.9541479	1,4470281	1.0177208	1,1804894	0.9647646	1.0198134	1.1851612 1.0516393 0.89806855 0.9541478 1.4470261 1.0177208 1.1904894 0.9647645 1.0198134 0.90878756	0.8000342	0.75129265
(1) Gene expression data for 72 hour timepoint					-								
are presented as mean ratio of treatment/control											_		
for all 72 hour predictive genes (Table 23).													• • •
(2) Compound and dose abbreviations as in	`_												
Table 1.													
(3) Individual animal number			,	/			-						
(4) Liver inflammation classification for compound													
dose group at 72 h: yes-necr, necrosis observed;					_								
yes-both, necrosts with inflammation observed;		_											
no, no histopathology observed									•	•			
(5) Predictive gene (as in Table 23 and as				-									
included in Table 26)									•				

Table 30. Expression Data for 72 Hour Timepoint													
2)	CHLOR 8	CIS 10		CIS 2.5	CIS 2.5		CLO 250	CLO 250	CLO 250	CLO 75	CLO 75	0.075	CLOZ 180
Animal Number (3)	49	337	338	327	328	328	1847	848	849	327	828	88	2437
flammation Classification (4)	8	2	2	2	8	9	9	DO DO	01	CU	2	2	e
Dhaca 1 Dr. 107	4 40 40000	4 000000	1	,	_								
Patrice homometrics and described	1.1040003	1.20002.1	1.1860057	1.3744085	0.9838/367	0.85660315 0.85786255	0.85786255	1.1535496	0.86861056	0.98780525	0.98294383	1.0979954	0.9462215
Proliferation cell purdear antioen nene	1.2406244	1 164726	1.2810035	1.28585	1.3552231	1.2263014	1.2850422	1.7162597	1.2725301	1.129746	1,5316123	0.9437009	1.7182473
Cytochrome P450 2D18	1.620505	0.92265824	1.0682192	1 1304383	0 002013	1 2354817	0.808384	0.01332144	1.0222216	0.97206366	0.9666366	0.9698149	0.9380521
Cytochrame P450 2C11	0.7623972	0.8200362	0.74885976	1.4810358	1 0984901	1 3281355		1 2884978	1 1206031	1 08/00/5	4 (1341321	4 3738438	0.8243827
Phase-1 RCT-290	1.2662978	1.5195469	1 1415051	1.3182094	1 1283954	1 1438283	1 2402562	1 556267	1 1688250	4 2044552	1 5136504	0000000	4 6000000
Phase-1 RCT-59	1.10851	2.9039736	1.3675672	1.174321	1.2717853	1.4722927	1.1641364	1.0482311	1.0875286	1 7551739	1 00552	0.9530/73	0 812322161
Beta-actin, sequence 2	1,116062	0.45798177	0.46824336	0.5998557	0.5109926	0.62171096	1.1984866	1.0989606	1.0445635	1.0493075	1 0808219	1.0205427	0.8409578
Phase-1 RCT-292	1.0773232	0.99443907	1.0375394	0.8957689	_	┿	0.90883416	0.9553739	0.9850354	Ť	0.9488284	0.9427824	1 0817136
Pynvate kinase, muscle	0.87665296	1.2756343	1.0484035	1.2100815	0.96904695	0.9911111	1.1862054	1.0725667	1.1761512	12932767	1.2452881	1,2199684	0.9232183
Osteoactivin	1.2298236	1,1182581	1.1104393	1.0045757	1.0052737	0.94589827	0.8116155	0.8898287	0.942643	0.9053036	0.9081503	1.0902715	1.0470521
Calgrandin B1	0.97015893	1.0528066	1.1025147	0.85485125	0.8457502	0.83987945	1.186814	1,2653166	1.1048447	1.3528906	1.46164	1.2143196	1.0031493
Apolipopratein All	0.9853257	0.47031394	٩ı		0.41325614	0.8210438	0.98628676	1.0646089	1.1456043	1,5678413	1,987918	1.5839444	1.0280713
Connexin-32	2222517	1.1624762	1.2041072	1.0712599	1.2815711	1.1313627	1.1734303	1,0917556	1.3087727	0.82264864	0.9047122	0.9322869	0.9221805
Phase-1 RCT-109	0.99574478	0.7803682	0.80021864	0.8250554	0.84159875	0.7643202	1.1899779	1.1854125	1,2552323	1,2139648	1.2598127	1.2234077	1.0093459
Glycine methyltransferase	1.1641561	1.911817	2,5303175	3.0997126	1.0630762	1.3857857	0.6301502	1.1144465	0.81281465	-	0.98795766	1.1574805	0.8554119
L-gulono-gamma-lactone oxidase	1.5197248	0.5856889	-1	1,0657681	0.9799438	1.0981514	1.2589438	1.0926915	1.1418864		1.0364488	0.8872967	1,0579875
Phase-1 RCI-256	1.3728611	1.1307808	0.9934428	0.9720528	1.012399		0.88772744	1,0188413	0.9864268	0.9160507	1.0599857	0.8839764	1,1827104
Carbonic annydrase III	0.44591433	0.051819053	0.13872902	1.1061050	1.1634915		0.57787305	1.1484063	1.0025443	0.32918364	0.5613784	_	0.65075743
PRISS-1 RCI-/8	0.92867523	0.7371724	0.737639	0.8495624	0.92334944		0.8343665	0.8398009	0.809614	0.809614 0.78759773	_	_	1.1954168
for the free free force	0.000899	0.48338476	0.8897038	1.0799079	0.9519141		0.72428584	0.8438141	0.6935291	0.7027428	ᇒ	0.80570628	0.8842461
	0.6335943	1 5849442	1 3692552	1 158707	1 0003654	1 2227402	0.9629328	0.8727532	0.9441771		_	0.8485425	0.8766206
Phase-1 RCT-185	0 6202152	0 7353736	0 8620742	1 1752869	1 114450	0 000574	0.7443318	1.0003620		0.06340406	4	121/1288.0	1.13/8295
Cofflin	1.1252747	0.99164957	0.9999994	1.0472926	1 1864699	-1-	0.86866365	0.000000	0.1020340		0.02017333	0.0201228	0.9455644
Stathmin	1.058409	0.9191238	0.7821424	0.8710318	4-	_	1 1661102	1 1712971			1 1030368		0 8432205
60S ribosomal protein L6	0.9174951	0.9691675	0.9712295	0.8938114	_	1 0444078	0 92 14 682	0 8887597	0 85974544	0.8915091	0.052731	-	0.88303807
Calpactin I heavy chain	1.1739633	0.82494015	0.8825272	1.044323	1.1516588	1.0419444	1.1299608	1,2350848	1.1056453	1.1848924	1.1991482		1 0335804
Collagen type II	1.1502278	0.8749799	0.9227452	0.91625893	1	0.89678496	1.4748582	1.279971	1.4810424	1,5041149	1.1606214	1.3658911	0.9795343
Phase-1 RCT-179	0.9357208	0.8943745	0.9263911	1.0046568	1.008543	0.92348915	0.8913868	0.8809685	0.9182175	0.8827379	0.8725108	0.9515146	0.8478805
Voltage-dependent anion channel 2 (Vdac2)	1.0871247	0.874212	0.8707937	0.9022591	0.9375227	0.9516865	0.9989374	0.9973521		0.91352254	1.0787352	٠.	0.97333056
Phase-1 RCI-192	1.0632883	0.8341894	0.96610045	0.9649649		-	0.82998914	0.88800645	0.8240222	0.8857588	0.94787845	0.9505863	0.91934013
Themselv heta 40	1.0320892	0.9315002	0.866650/6	0.9325614	0.8396254	0.91104126	0.846294	0.8256118	0.9393988	0.7078828	0.8168544	-	0.84280355
arto camera obsis	0.02402184	1.0111/003			1.0323272	_		1.1831346	1.071186	12527415	1.0449291	1.247654	0.9489488
(FCERIgamma)	0.47.424.19.0	0.7321133	alececo.	0.84152544	0.885/89/4	0.8361509	0.8/503284	0.93550694	0.9104615	0.8462859	0.8629695	1.0338173	0.9970236
Gamma-actin, cytoplasmic	1.3606876	0.8723598	0.97725048	1.0488225	0.81136715	1 0323488	1 005585	0.8131885	0 6925843	0.73620578	0.8494061	O ZRAZOZE	O BOSON 16
Uncoupling protein 2	1.0051489	0.8963276	0.88762605	1.0399705	0.97757776	0.9259909	12234535	1.1503826	1.2162932	1.4395825	1.0585432	4	0.941444
Phase-1 RCT-34	1.0159086	0.8007158	0.8528775	1.0092063	0.8652998	1.0024798	1.0189384	-	1.0657228	1.5470276	1.1323088	0.9235038	1,1171962
Phase-1 RCT-31	1.1602687	0.81620276	6	0.9501759	1.1458623	0.98812	0.8085082	0,9393882	0.8759776	0.66428834	0.79216146	0.98387414	1.139159
Cydin D1	0.78208226	0.88899337		0.73023045		0.96600443	1.4941002	1.0021977	1.1624887	0.7405773	1.0566667	1.0646968	0.6182134
The forming process	1.0932478	0.8506749	_	0.91238236	0.9788468	0.9274033		1.0575904	1.0087712	1.0740477	1.168987	1.1904484	1.0140986
Dhacad DCT 498	1.1230347	1.1038026	0.8459533	1.0573537		_	-	-	_	_	-	0.9429043	1.0067227
Alabatibulia	4 2200604	0.84/4020	1.0/106345	0.8604105		1	_	_	_	-	-+		1.0327804
Aloha-prothonosin	4 694997	0.0430070	0.70013917	1.002316/	1.0162864		4	1.1317111	1.0445901	1.1700181	1,1157101	_	0.82538474
Calpain 2	1.1426039	0.035/1414	1 0218024	1 0070020	1.03/9023	1.01308021	0.63414463	0.9432936	1 0473630		0.80111	-	0.87835544
Phase-1 RCT-12	0.9356279	0.96785235	1.0285204	1.026814		0.83900243	12407523	1.1556875		1 0798181	1 1843517	1 0332371	1 0449468
Cathepsin B	1.2341777	1.1264438	1.143755	0.89804447	-		+	0.95769924	0.8738011	0.821876	0.8303102	0.9787697	1.1143695
Phase-1 RCT-24	1.1728342	0.7073689	0.79671276	1.0577207	1.128349	ш	1.4797441	1.2426472	1.137291	1.1363827	1,0947534	+-	0.94578415
Mejanoma-associated antigen ME491	0.8692262	0.90677845	1.0484036	1.406844	0.87538636	1.1619064 0.79937935 0.96923286	79937935	0.96923286	=	0.94895715	0.8796393	1.0958934 (0.92351687

Observed DOT 48	4 494474	4 9007900	4 4600017	4 020000	10000000	0,0074000	1 00000	1000000,	100000	1,1000000	1,000000	100000	1377300
Cyclin G	1,2539934	4.5148783	3.8423028	1.7045057	1.6237637	2.174272	1.145204	1.1232113	1.1594087	1.0313311	1.058146	1.058146 0.96947217	1530936
Hypoxanthine-guarrine phosphoribosyltransferase	1.6557747	1.0344555	0.91694236	0.9808455	1.1388215	1.0063814	1.1198278	1.0930597	0.98873526	1.1343545	1.1225835	1.0134984	0.9240628
Tissue inhibitor of metalloproteinases-1	0.9027147	1.1491009	1.1942402	1.1464313	1.2812355	1.1108104	1,2563466	1.2317134	1.0989803	1.2504544	1.170394	1.5331633	1.6432718
5-1	1.0273376	1.1173414	1.1564865	0.89172703	1,1324303	1.107685	1.1143597		1.2850647	1.2404692	1.1519614	1.1211462	0.830953
Ribosomal protein S9	0.66096413	0.9585394	0.9467907	0.9807387	1.1086347	1.043815	1.0404313	_	0.88483036	0.839428	0.8355011	0.954371	0.81676424
Ribosomal protein SR	0.8349862	0.6515168	1 0653687	1.09/28/4	1.0726333	0.7239071	1.2/40924 0 84430140	1.0051638	0.85919213	0.7434343	1.1594455 0 RES1435	0 0604044	1.212103
Ribosomal protein S17	0.8843263	0.890899	1 0431285	1.0616877		0.92796004	4-	٠œ	0 70329165	+	0 74872196	0.8671934	0 9221901
Nucleoside diphosphate kinase beta isoform	0.8702327	0.9791521	0.91638863	1.0548846		+			1.0326612	+-	0.9776926	1.0868206	1.1055046
Phase-1 RCT-121	0.8731684	1.0946791	0.8280185	0.96957654	-	-	1.064165	1.0115452	1,1120313		0.93291926	1.0641267	0.88482785
14-3-3 zeta	1.0825241	0.9331554	0.90663475	1.0202873	1.0055805	0.9615413	1,2368373	1.226684	1.4380044	1.2662808	1,2563125	1.1771941	0.8049418
60S ribosomel protein L6 (alternate clone 1)	1.2176985	0.87617147	1.0189527	0.95783037	_	0.89881533	\rightarrow	0.92622125	0.8602765	0.9292013	1.005178	1.0348081	1.0744066
Beta-unum, dass i	0.8338937	0.7040052	0.65838313	12305417	1.4083989	0.9479913	_1	1 2262316	1.0499293	0.9871375	1.1816227	0.98548576	1.1240833
Organic cation transporter 3	0.915661	1.1004934	1.1000855	0.95017093	_	0.8892357		0.93810636	0.8824397		1.0935893	1.0776142	0.90303314
Deta-actin	1./90281	0.6332651	4 45057914	0.9520429	0.7971798	0.90041953	1,0866628	1.0317171	1.0713162	-	0.87213945	0.92056704	0.7010645
Biliverdin reductase	0.17.100043	0.84133334	0.0508	0.9101030	٠.	1 149612	1 1505005	1 2434045	1 18346	4 0727723	1 0841044	1.105003	0.84808710
Phase-1 RCT-154	0.93150383	1,6071781	0.8985516	0 988833	1 1784314	1 4258482	1 0729707	1 0544393	1 5428135	1 7016653	0 980823	1 0320558	0.8797377
Phase-1 RCT-293	0.9171872	0.83338946	0.98752856	0.8974685	1.0079584	0.9998678	1+	0.98868495	0.9035178	1.0815189	1.0137541	1.1558373	1,2325428
Amexin V	0.8200424	0.9315673	0.8978122	0.972618	0.9868605	1.0157284	1.0552477	0.97988164	0.9139581	0.7842762	1.0576888	0.91553086	0.978928
Complement factor I (CFI)	0.7522709	1.4982016	1.5795404	1,0675962	1.0992205	1.0474553	0.7269937	0.7553364	0,76086044	0.78234595	0.7973687	1.0323981	1.5285076
Phase-1 RCT-276	0.5911197	1.0033212	1.0846745	0.90858406	0.9572065	1		0.8028705	0.7734636	₩	0.811806	0.8193951	0.8606665
Tyrosine aminotransferase	0.68929005	1.4651281	0.811867	_	0.8624698		-+	0.74464804	0.617814	=	0.94249856	0.7028334	1.1251333
Glutathione peroxidase	0.7606451	0.73526186	1.0772704	-	_	_	0.64163536	0.7807621	0.6269325	_	-	0.7642844	1.1214731
Histidina-rich glycoprotein	0.8506734	0.99236935	0.8525958	0.698088	킨	-	0.74108833	_	0.5758647	0.6533731	-	0.94907254	0.79312134
Carbonic annydrase III, sequence z	0.80316/05	1.0076284	0.88497945	0.554885	0.72850855	0.9720688	0.71065664	7	0.54021746	0.67191875	0.9792584	0.9745663	0.7355537
Transitional endodesmic reticulum ATPasa	0.80026323	1.1509211	0.04220405	4 4043353	1.0044/01	1.0343938	0.7728971	0.871428 0.05586824	1 1286305	0.7/35611	0.9/83411	0.8983283	0.94984674
Phase-1 RCT-88	0.85426414	0.9013882	1.0038286	0.8261452	+-		0.82693666	0.8279072	0.68637186	0.72755835	1 0232421	0.95831317	0.8051964
Phase-1 RCT-296	0.92991173	0.25720066	0.3800804	0.6970166	┺	-	0.74913937	R	0.77042156	0,88958323	0.80934876	0.7963633	0.8878326
Phase-1 RCT-181	0.98541343	0.5727775	0.72876835	1.1509103	1.088225	1.2054623	0.76059175	1.1574305	0.8729064	0.7747786	0.75947636	1.0821266	0.8364811
Glutathione S-transferase theta-1	0.81950456	0.68726015	0.75801605	1,2502565	1.6064329 0.95071363	0.95071363	1.137063	0.92536455	0.8401468	1.0542271	1.1357192	1.0091136	0.9678088
Phase-1 RCT-168	1.088602	0.9165564	1.0514191	0.7662099		_	0,99570376	0.8456505	0.9373128	0.8879309	_	0.90428805	0.96144223
Phase-1 RCT-182	0.78648275	0.87400734	1.1050268	1.180435	1074	0.92515707	0.723862	0.7957155	0.8957844		_	0.82137454	0.97417176
JNK1 stress activated protein kinase	0.56782764	1.3835706	1.1870356	1.3321251	_	1.3050778	0.8081523	_	0.8792153	0.7572896	0.9421501	0.98635507	1,088009
Prisse-1 RC1-61	1 2200055	0.9318418	4 44 82 670	1.0348674	0.99567175	0.98131007	0.7687504	0.8524849	0.81968355	0.7464432	0.8136552	0.8398508	1.0788796
Phase-1 RCT-178	0 6846035	1 0814548	1 0787522	0.000114	0.0439743	-	0.933000	4 5608540	0.800707	1.2/44401	0 8874494	1.11305/	0 82585484
Apolipoprotein CIII	0.6345982	1.3020456	1 1004078	1.1028612	1 2394449	_	0.998946	1 2352605	0 7963184	1 5180202	1 3591791	1 1904477	0.8667428
Phase-1 RCT-98	1.2760043	1.0712806	1.0484035	0.99569833	0.86939853	0.9625843	0.8982525	0.9223698	-	0.82365644	+	0.74957633	1.0460153
NADH-cytochrome b5 reductase	1.178955	0.9962897	1.1360167	0.9152659	1.0551361	1.172808	0.94921666	1.1390297	0.97551998	0.9327056	1.2289797	0.8828853	1.2214638
Alpha 1 - inhibitor III	1.016634	0.38240436	0.52450687	0.98590346	_		-		0.9536364	0.36854592	0.7111975	0.77325094	1.0637507
Prese-1 RCT-233	0.86119986	0.9662291	1.1845598	1.0131819	-		_	_	0.85845107	0.8948501	_	0.8898511	1.1659905
Dreconlin-1	4.050013074	0.0433430	0.8340219	4 045000	-		0.73330223	0.09038714	0.7640103	0.5/35/2/	0.7498039	0.04113040	0.8978377
Angliococtein C1	0.3613508	0 80755544	1 107757	1 1080104	0.807.3930	1 1840256		0.04033300	0.8003033	0.30344223	-	0.021770	0.80083736
Cytochrome P450 2C23	0.8913941	0.98810744	1.3112999	1.0025927		0.83622473	_	-	0.84780663	_	2 3	0.6826123	1.1468648
Phase-1 RCT-227	0.877337	0.6307741	0.83027476	0.85261023	0.8281975	-	0.62456024	-	0.73706776	0.62600625	0.6572302	0.8640105	1.4124557
Hepatic lipase	0.9544236	0.445822	0.506307	0.6927836	0.7120589	0.767928	0.9243546	0.84973603	0.7688718	0.84020776	0.95060986	0.8107191	1.0134116
Phase-1 RCT-164	0.74904484	1.5542841	0.8149999	1,1766024	1.0593404	1.0946931	1.0061692	1,3746598	0.9711573	1.1929319	1.0539793	1.0550326	0.89652735
Multidrug resistant protein-2	1.3940147	4.9602737	7.092227	1,4526156.	1.2765114	1.1861275	1.2755394	1.1055968	1.3751001	1.1528152	0.9448585	0.97419757	0.7568665
Insulin-like growth factor I, exon 8	_	0.60086787	0.8080932	0.7898039	-	0.78440005	1.1516336	0.919231	1.4090173	_	1.0503792	0.900646	0.94355494
N-hydroxy-2-acetylaminofluorene suffotransferase (ST1C1)	0.4997667	0.24251516	0.47712812	1.045023	0.9228173	0.8236575	0.8657607	1.1063266	1.0626724	0.7114425	0.92791533	12160424	0.9281993
Dyramin-1 (D100)	0.9069612	1.0457985	1.0395935	0.96254754	0.9992526	0.92052877	0.8988914	0.96909606	0.89496684	0.8043146	0.9282762	0.9725013	1.1697279
DNA polymerase beta	0.5658899	0.9902088		0.97101516	1.0331366 0.99597377	0.99597377		0.89730585	0.8586736	0.7472459	-	0.91563916	0.9295508

Phase-1 RCT-173	0.9918989	0.94376767	0.7949872	0.967313	1 2230926	1 2230926 0 93892604	1 227 1923	1 5148808	1 310408	4 3240877	4 034972	4 2527385	70053004
Ubiquitin conjugating enzyme (RAD 6 homologue)		1.0160139	0.96207786	1.0563993	1,0078319	1,0030812	0.9985704	0.9760462	0.9373851		0.96355456	1	0.8535852
Ribosomal protein L13A	1.2000957	0.7102276	0.75035554	0.8126704	0.84428275	0.78877577	1,2894015	1 2024813	1.2459906	1.3866626	1.2264642	1 254413	1.0104775
Phase-1-RCT-144	0.89174616	0.8721893	0.99215364			0.9061182	1.048176	1 02095	1 0339A	1 0877491	0 9817022	0 94910115	0 84360754
c-H-ras	0.8813393	0.94447684	1.0706655		0.8879647	1.0851755	0.8394117	0.88357514	0.9053408	1.0897437	1 0532024	1 122163	0.968885
Vesicutar monoamine transporter (VMAT)	0.91965014	1.4291339	1.0116891		0.93271637	0.975552	0.7998657	0.87706465	0.7374106	1.1889504	1,0912193	1.0388503	1.11314
Phase-1 RCT-273	1.5044357	1.0264226	0.98941416	1.1943201	1.0058334	1.0461745	1.0792998	1.0575459	0.9870295	1,3565366	1.0136758	1.0308598	1,2969216
Phase-1 RCT-230	1.550924	0.9816602	0.7969879	_	0.91216063	0.93521494	1.1029825	1.1342537	1.1564319	1.3620398	1.0917063	1.0846314	0.998303
Pitase-1 RC 1-74	1.3734237	1.2219793	1.1088512	1.226753	1.0095928	0.8400375	1.1575601	-	1.1109499	1.1866032	1.0552747	1.0519601	0.9821108
Phase-1 RCI-80	1.1060416	1.1570258	1.0175682	1.2538731	0.7413942	0.9382842	1.1120284	_	0.95377004	1,3833706	1.0163708	1.1310221	0.9810921
PURSB-1 MC1-138	0.9206581	0.84000105	1.0382578	0.95930713	0.99453294	1.0805285	1.114692	1.0767584	1.3184736	1.2476175	0.95199823	1.0738997	0.9235282
Deoxycytidine kinase	0.7611872	1.4827265	1.280158	1.2013668	0.9836226	1.1194558	1.0860738	1.0679104	1.0854434	1.4654478	1.1512971	1.0983377	1.1361107
mosttol polyphosphate multidinase (lpmk)0	1.1495974	1.1121787	0.94391155	1.3128158	0.96078175	1.0382489	1.0297005	1.0817855	1.0213096	1.4119507	0.92324007	1.1074986	1.0153747
Neuronal cell adhesion molecule (NrCAM)	1.2744156	1.3911322	1.3609712	1,3856106	1.0359925	1.2910234	1.2124584	1.2340717	1.132991	1.7619421	1,0909247	1.2270205	0.95437354
Heparocyte grown factor receptor	0.7679553	1.0067781	1.1784058	1.2700106	1.145827	1,0801301	1.0181377	1.0353161	1.0601752	1.1594852	1.1182725	1.1230972	1.0120018
Empty	1.0715068	1.1873058	0.99874246	1.1215959	0.91223866	_	1.4732691	_	1.0935992	1.6437234	1.0201893	1.0094267	0.9281148
Dopartine receptor UZ	1.1789442	1.1774334	0.929183	1.2145463	0.86959167		0.94813883	-	0.90187216	0.7007183	0.93413794	0.92060614	1.0576689
Phase-1 RCI-51	1.1932184	1.3217887	1.1747584	1.2258068	0.8416991	-	0.97426134			0.97180088	0.9416176	0.8738144	1.1042428
Four repeat Ion channel	0.734738	0.98836154	0.9915488	1.0704885	0.9516864	0.901418	0.9518161		0.96241796	0.94028884	0.86059207	0.9271146	0.9607537
Adrenomedulin	0.6888355	1.4675817	1.0796326	1.4602786	0.739044	1.0596397	1.0401658	1.0170588	0.8759673	1.4053328	0.91289973	0.926124	0.9742067
Caveolin-3	0.96048534	1.1055185	0.97333896	1.1477848	0.97474706	0.9351688	1.0829431	1.183573	1.0487099	1.2486302	1.0388008	0.9739134	0.9777281
Phase-1 RCT-129	1.1013538	1.135348	1.1420649	1.1048384	$\overline{}$	0.93936336	1.0679153	1.0009713 0.95128745	0.95128745	1,2158941	0.9669579	1.0246642	0.9422712
Phase-1 RCT-94	1.0647491	1.0718504	1.0795206	1.0428271	1.0428271 0.99387556	1.0030678	0.9938159	1.0211622	0.9751607	1.1923228	1,060996	1.0861362	1.0424982
Sarcoplasmic reticulum calcium ATPase	0.96692127	1.2629675	1.0713195	1.3359821	0.95398706	1.1220436	1.1204333	1.1905944	1.1599048	1.0859425	0.98270583	0.92552423	1.0366815
Phase-1 RCT-79	1.447911	1.1213571	1.0604285	1.164928	0.93565404	1.093658	1.0247225	1.0313805	1.0298617	1.1300913	1.09605	0.96536577	0.9537262
Phase-1 RCT-252	1.2739732	1.6600134	1.3820537	1.1396049	1.0951732	1.0997089	0.89717513	0.98812145	1.0433177	7	0.94939214	0.8336971	0.912833
Phase-1 RCT-151	1.294545	1.0744085	1.1320019	1.1652548	1.2974113	1.2554277	1.0391046	0.99199027	1.0281897	0.9056748	0.9675452	0.90831804	0.89015803
Phase-1 RCT-70	1.5265465	0.97608376	1.0091974	1.1015031	1.1081992	1.0895936	1.3925475	1.3414444	1.4298245	1.171981	1.1658045	1.133873	1.043068
Prase-1 KCI-150	1.1002915	1.0968777	1.0805198	1.1097641	1.1317338	1.1717665	1.1208013	1.1547956	1.013249	1.0905985	1.0057703	1.1867648	0.9435346
23-riydroxyvramin U3-1 apna-riydroxyrase	1.105469	1.0041991	0.9988427		1.238389	1.0607567	1,4753537	1.3537247	1.2237674	1.5828973	1,0281103	1.1371937	0.9971875
Prizze-i KCI-119	1.5450387	1.428825	1.224233	-	0.87496984	1.0822263	0.8922652	0.9818378 0.94459337	0.94459337	0.77379364	0.9351477	0.8280927	0.9869894
Perovision S-recognistical unitiase 2	2.1004007	0.76437856	0.88493353	0.7759175	1.1537803	1.0235225	1.0766294	1.5028987	1.3313035	13172163	1.4883813	1,322,1091	1.0512481
Prizze-1 RC1-146	0.9908797	1.027553	1.1039728	1.0772121	1.053468	1.1527086	1.1001357	1.0400429	1.0771872	1.2046663	1.0714042	1.2168474	0.96505078
Dhees 4 DCT 446	1.0662653	0.822608	0.7303486	0.84856397	0.9799485	1.0036633	1.2586926	1.2849411	1.165982	1.1716781	1.3808806	1.6336646	1.240112
PIESSO-I NOI-113	1.1028341	1.1413223	1.0362129	1.1505951	0.92795885	1.1020797	1.3179125	1.2960416	1.3447566	1.6144087	1.245586	1.2537808	1.1450356
Apra-1 mcroglobulimbikurun precursor (Ambp)	0.8399561	0.9837073	0.8681382	1.042535	1.0968413	1.0188049	0.6906587	0.8181381	0.7853707	0.6530989	0.76699567	0.81099584	1,08457
Phase-1 RCT-18	1.1465908	0.9913575	1.0807004	0.98920596	1.0165082	0.9942715	1.016609	0.99523306	0.9545182	0.9832156	1.021927	0.9167369	0.9953706
Maspin	0.7286008	1.3188611	1.0204993	1.2080164	1.030389	1.0130857	1.022442	0.98044497	0.9222945	1.4162441	1,0565958	1.1058882	1.0072879
Decorin	1.4273762	1.2796009	1.0950603	1.1839974	0.7684189	1.3463237	1.213962	1.383144	1.1731166	1.5448929	1.0611687	1.4225745	1,0785158
Retinoid X receptor alpha	1.110618	1.2681144	1.1556427	1.5137112	1.2851967	1.4408302	1.190143	1.0538983	0.8899396	0.9261656	1.0119324	0.963858	0.99293196
Cellular nucleic acid binding protein (CNBP)	1.0320048	0.57866657	0.6329365	0.6918434	0.8244982	0.8396458	1.0338737	1.0706843	1.0039876	0.8242982	-	0.90082854	0.9564708
NADPH cytochrome P450 oxidoreductase	1.4679936	4.2863693	2.155624	_	2.2374613	1.4156402	1.1942163	1.3328527	1.1679114	1.4738023	1.3815774	1.1445841	1.0066842
Malic erzyme	1.5438358	0.91913766	0.7524164	_	0.83871526	0.7368915	1.445719	1,0355898	1.458601	1.4985468	1,3055384	1.0225002	0.8128473
Cetatio	0.7000434	0.9124986	0.76530355	1.04/1969	_	1.0935359	1.3996022	1.3584989	1.3909407	1.5527923	-	1.176501	1.0095466
official C	0.00937780	0.0072313	0.79667356	1,85666/1	0.7771387	0.83010894	0.7090629	0.8142077	0.8513537	0.8775722	_		1.0186778
Poly(ADP-ribose) polymerase	1.4138901	0.8764679	1 087159R	0.0040300	1 0597822	0.0870325	10177122	1.1232965	1.0938914	0.0665053	1.051805		4 0247484
Tissue plasminogen activator	1.1032641	0.7172432	0.9047335	0.9071759	. -	+-	0 98778284	0.0582371	1 0383818	0 9388584	2207077	0.8564374	0.0573944
Multidrug resistant protein-1	1.3836774	7.1580973	12,259249	1.6463925	+	_	12185552	1.1261876	13986751	1 1739591	10477154	10138515	0 7813795
Phase-1 RCT-207	1.1069808	2.4369507	1.4879091	1.1143657	12271461	1,2290782	12428136	1.1899598	1.1118057	1.3872777	1.0244389	1.0684944	0.8646782
Phase-1 RCT-181	1.0096287	1.2084018	1.2430782	0.919736	0.9565241	0.9626901	0.9836846	0.9466561	0.7872711	0.8807867	-	0.87546694	1.0198245
Gap junction membrane channel protein beta 1	1.4494507	1.5120715	1,5512198	1.6457258	1.7433121	1.3343745	1.6338953	1.4142183	1.9770565	1,237116	-	1.1502087	1.290927
(Agraporin-3 (AOP3)	1 005233	4 0010842	0.000000	0.0067677	0.0145036	00074700	0.0004466	3300000	0000000	, 000000,		00,000,00	000000
Myelin basic profein	1 0404423	0 7822228R	0.8302442	0.843/3//	0.8145030	0.8474362		. .	4.4509400	+	-	0.85623493	1.0117993
Calgranulin B3	1 1750649	0.0027500	0.0123028	1 0054494	4 0805070	4 ARBOSTA			1.1508493	_	0.964511/5		0.896685
	1.11.000701	0.004400.0	0.30004101	I POPHONI	1,000,001	1.0682346	1,0905441	0.98838055	0.96896905	1.2205992	0,9979483	0.9530891	0.89057773

Phase-1 RCT-156	0.9187416	0.9187416 0.84977424 0.890812 0.8812308 0.88149224 0.8027278 0.8868788 0.78815984 1.0449444 0.7808898 0.988241 0.9010282 0.8823205	0.890612	0.8612908 0	98149294	0.8027278	0.8866788	79815984	1.0449444	0.7806898	0.968241	0.9010282	0.9823205
Proteasome activator 28 alpha	0.8089116	0.8869007	0.99706423	0.8869007 0.99706423 0.9244762 0.92602235 1.0346128 0.89401793 0.94185623 0.90381473	92602235	1.0346128	0.89401793	0.94185823	0.90381473	1.0916772	1.0916772 0.9480881	0.9465617 0.98087937	0.98087937
(1) Gene expression data for 72 hour timepoint													
are presented as mean ratio of treatment/control				•	-		-						
for all 72 hour predictive genes (Table 23).												•	
(2) Compound and dose abbreviations as in Table 1.													
(3) Individual animal number				_			ļ						
(4) Liver inflammation classification for compound													
dose group at 72 hr yes-necr, necrosis observed;						-							
yes-both, necrosis with inflammation observed;													
no, no histopathology observed		· · ·											
(5) Predictive gene (as in Table 23 and as included in Table 28)													

Table 30. Expression Data for 72 Hour Timepoint											. [
(1)													
Compound-Dose (2)	CLOZ 180	CL 02 180	C3 O7 45	CI O7 45	CI 07 45	CACSO	C8 (C8)	06 0710	000 30000	30,00	00,00,00		
Animal Number (3)	2438	16	127	8	8	157	48	CMC 3U	CPHOS 100	2457 2459 CPHOS 100 CPHOS 100 CPHOS 25	CPHOS 100	—	CPHOS 25
Liver Toxicity Inflammation Classification (4)	9		т-					601	7617	2000	6017	7417	2148
Gene Name (5)								2	2			2	2
Phase-1 RCT-107	1.149151	1.0776573	1.0481966	1.1168023	0.9649762	0.9765928	1.0210359	0.90473366	1.048173	1.1784516	1.5059857	1,0753106	1.1687845
Proliferating cell nudear artinen gene	0.93714166	1.946179	1.9963094	1.7894177	1.3536216	1.3929266	1.4568138	1.6326904	0.47899064	0.46002632	0.7332347	1.1806445	0.6981399
Cytochrome P450 2D18	0.9885009	-			0 78476954	1 0618837	0.0725809	0.82659084	4 4 400406	4 4400406 0 04224726	1.0002953	1.078667	0.9518063
Cytochrame P450 2C11	1.1099948				-	-	0.74452037	0 7910663	0.1489(80	0.94331730	1.0243144	1.56/10545	0.3859/365
Phase-1 RCT-290	1.3311437	1.6472455		1.4788121	_		1 2436068	1 38 14807	0.68736166	0.777835	0 8275400	4 474994	2000000
Phase-1 RCT-59	1.1171489	1.051592	0.75428957	-	0.76551557		0.94884837	0.89706326	0.97582057	1 0063984	0.8657854	0 9537434	0.000000
Beta-actin, sequence 2	0.97034746	_		0.98209786	1.0093621		0.9017224	0.8868564	1.009516	0.7994247	0.7978183	١	0.99046504
Phase-1 RCI-292	1.0794357	0.9769609	1.010801	1.1326685	1.1530368	0.8362132	0.8390407	0.8824185	0.8838115	1.1092736	1.0092523	_	0.9848138
Pytryate kinase, muscle	1.0255103	0.8978729	0.9510486	0.8413215	1.1242154	1.0677803	1.07436	1.0371344	0.9707277	1.0191628	0.80258	1.0614388	1.0884738
Colomo dia B4	1.1242033	0.9710334	0.8345597	1.0782278	1.168362	1.2889309	1.0545085	1.3016441	1.0436045	1.067628	1.102224	0.9385828	1.0281457
Applicated All	1.136/681	1.049017	1.0216249	1.0071342	1.3007137	1.4891303			1.216077	1.000599	0.9325882	1.1128601	1.0726202
Comexin-32	1.///62/0	1.1358485	122227	0.8341496	1.0258114				0.97805375	0.8881643	0.8840584	1.1803539	1.0616817
Phase-1 RCT-109	4 4760959	4 2204400	4 00000144	1.044/624	1.26163/5		0.90716755	0.8353489	1.0854123	2.6924303	1.2239293	1.0486752	1.0043887
(Alvino methyltransferase	4 242095	12301439	1200001	7,0453092	1.1691853	1.2973969	1.2506782	1.0885146	1.1131849	1.038586	0.707365	1.163463	1.022953
Laifon commo lactoro ocidaro	1.212035	1.1284148	1.1/44585	1,2875259	1.0426061	1.0499519	1.3136109	1.0460423	1.1597422	1.3797086		1.1938634	1.3246374
Phase 1 PCT 258	1.0424203	1.0930835	1.6085007	1.3140291	1.1569993	1.2539021	1.6513638	1.3744438	0.8179771	0.5681277	0.8412033	0.79596055	0.98567826
Carbonic archadrana III	1.240///0	2102551	1.1896569	1.2210838	1.2614039	_	1.3514035	1.1027033	1.1027033 0.88774717	~	0.95484877	0.92215188	0.9426085
Dhoe 1 Dr. 70	1.0927727	0.8995155	2.1884947	0.7704223	0.7025963			1.1335784	1.0108628	0.30586752	1.4928331	1.2970838	1,4890255
I Idnah postalo 3 postunos	1.0483286	1.03/9058	1.0708239	1.0255597		0.87800074		0.94481087	0.91521424	0.9973647 0.82684636	0.82684636	0.8998479	0.99758
Aberdiolite armuth forter I	0.8280381	0.931/2044	0.9908615	0.9549384	1.0543938	1.3941047	1.4625309	1.5045375	0.88287395	0.8577039	0.9897327	0.7282732	0.90231204
And sufforms ferase	4 2644220	4.2670072	1.0052006	1.0291662	1.2078078	1.3889232	1.4390445	1.2932276	1.193389	1.2277659		0.72861236	1.1460044
Phase-1 RCT-185	1 0205121	O BROROSES	1.0401074	1.001/004	0.803000	1.0653333	1.296542	1.5196141	1.5402005	1.4059364		1,0496972	1.0501949
Cofflin	0.96173793	2	+	0 92955136	0.8963463	0 8364256	0.0502775	1 0385445	4 0072484	4 0072484 0 90393448	0.0255707	0.85248053	1,0301277
Stathmin	0.8283837	0.92355025		0.87216353	0.8904902	1.138058	0.9754817	0.9794297	1 0119145	1 0053308	0.9333707	4 00024382	1.044809
60S ribosomal protein L6	0.9862794	0.8509998	-	0.88415784	+	-	0.88459265	0.87316436	1 0145407		0.0707403	0.0477039	1,0433103
Calpactin I heavy chain	1,1515648	1.0861706		1.0292034		-	1.0210295	1.084275	_		0.03140200	1 0441304	1.0070022
Collagen type II	0.99287856	1,11111845	0.8277276	0.8608191	-	0.69595873	_	0 94758147		0.88397895		74569122	4 4090757
Phase-1 RCT-179	0.80528176	0.8416673	0.84694713	0.90748304		1.0118146	-	1,0120175	0.983918			1 0019364	1 182583
Voltage-dependent anion channel 2 (Vdac2)	1,1358646	0.957106	1 0704443	1.0278729	1.2044538	1.1949276	1.1328909	1,1393987	1.1723812		0.87763643	11225487	1 2035258
Adoptor and officers	1.0517389	-	0.96638644	1.0092735	1.3018557	1.1356978		0.97830634	1.0414662			0.97849226	1.0990236
There is beta-10	1 0144475	0.9036287	_	0.7845273	1.1559027	0.8508092 0.81142118	3.81142118	0.799343	0.90855088		1.1668199	0.9027349	1.0615385
High affinity loff recentor camma chain	1 0004000	0.504020		197333130	1.01/889	0.9593846	1.00/0457		_	-		1.1145022	1.2015641
(FCERigamma)	0001000	8154978.0	1.1244003	2.070683	0.9305428	1.099/562 0.97643757	3.97643757	1.0102549	0.87346447	0.8896277	0.9763599	0.88368237	1.106533
Gamma-actin, cytoplasmic	0.82630765	0.695773	1.0573552	0.7921193	0.9282278	1,4135207	1 2651992	1 1447126	0.873888	0 02081463	0.6508007	0 8700449	0 0007540
Uncoupling protein 2	1.0299327	0.9485458	0.9616864	1.0083333	1.1621724	1.213779	0.9315023	0 9946378	0 8637664	1 0205239	0.7241208	0.0750121	1 0233486
Phase-I RCT-34	1.1175959	1.1429194	1.2022213	1.052614	1.250895	1.5620279	1,416841	1,2017016	1.1332252	1	0.72359747	1 1774309	0 9851753
Phase-1 RCT-31	1.4463298	1.0565658	1.3770648	1,1930419	1.2871331	1.4907315	1.6270742	1,9893837	1.1855191		1.0089076	1 001959	1 2688056
Cyclin D1	0.68607014	0.5582302	-	0.88404185	0.8954247	0.7159886	0.7777053	0.8142181		0.89332753	1.389862	-	0.90450794
ige binding protein	1.3287609	1,17,11911	1.2024622	1.1438608	1.5231959	1.3009084	0.9910353	1.098371	0.8796755	1.0254151	-		1,1095983
Zinc ninger protein	0.8663756	0.91790426	0.7958351	0.941107	0.9406952		0.91917086	1.0496218	0.983519	1.0812854	_	0.8478718	1.0078776
Meta tritula		0.9785694	1.0485007	1.0358986	1.1104476		0.92779448	1.0145626	0.91710204	1.0895128		0.8300493	1.0324403
Alaba amthumain		0.81802595	0.889751	0.9065345	0.7655936	-:1	0.82728267	0.5871934			0.81886244	1.1459824	1.0086224
Calnain 2	70000000	-	1.0214623	1.1052212		4	1.0330721	_	-		0.6203782	0.8252998	0.9835848
Phase-1 RCT-12	4 0380343	4 0208527	0.68/49236	0.9616121	_		0.9743212		0.94896317		0.93207645	0.9535494	1.011966
Cathepsin B	1 0007767	1 069274	1.001/26 4 0888652	1.0016355	1.11015/8	1.1333	1.0437195	0.8413268	1.1386274	_	1.0244678	1.1929742	1.026609
Phase-1 RCT-24	0.92838645	-1-	0.99359137	1 0015018	0.8978265	1.04/5//5	1.1001062 4 0268495	1.29186	4 2247037	-+-	0.84429735	0.7163477	0.9786389
Melanoma-associated antigen ME491	0.9895932		0.82948536	92769116		+-	_	1 002041	0.8574034	0.6340559	0.892236	1.2605088	1.075093
			1	121.22.32.1			_	1.002301.1	U.03/ 10281			0.99445647	1.012/674

Dhase 1 DCT 48	4 0405044	1000000	1,000										
Oydin G	0.9751925	1 1137758	1.1419504	0.92613534	1 0444382	0.0766162	0.9868926	0.98654664	1,0344718	1.0300975	1.0448085	1.0561926	1.0736389
Hypoxanthine-guardine phosphoribosyltransferase	0.9057809	0.96456456	0.9609381	0.95926535	+	0.86519307	1.0298307	0.91702825	0.9193561	0.772777		0.91272867	0.97626865
Tissue inhibitor of metalloproteinases-1	1.3461661	1.3057308	1,0563725	1.0857066	1.0451751	0.978981	0.8826237	0.8989735	0.9473355	0.8955073	1.0427619	1.1461838	1.1971234
0	0.97306955	0.89925035	0.9114001	1.0458348	1.0790147	0.85776407	0.9038945	0.7786043	1.4221331	1.3117003	1.2024379	٠	0.88279176
Kibosomal protein S9	1.079867	0.8968208	0.7682277	0.93904227	0.9993305	_	0.88022584	0.81582993	1.018121	0.75411123	0.99906605	1.1216217	1,1694349
Difference contributes	1.1/8355	56009/66'0	1.3140186	1.0582203	1.6809986	1.3180435	0.9512541	1.0570935	1.1161497	1.3533763	1.5083226	0.9202954	1.2597101
Ribosomal protein S17	1.0857216	0.9459616	1.05043731	0.0242/3	1.0801711	1 8435303	1.3762776	1.2855463	0.9950952	0.864613	0.9054608	0.9887952	1.2390474
Nucleoside diphosphate kinase beta isoform	1.2404032	1.0609589	0.9978365	1.0319128	1.0883455	0.860248	0.9533583	0.81024283	0.97880757	0.88183788	0.944283	+-	1 1983564
Phase-1 RCT-121	0.83271724	0.7945927	0.9014308	0.87944408	0.93116486	0.931588	0.778236	0.8180615	1.0228134	1.2448784	0.93815565	1.0709227	1.0658179
14-3-3 zeta	0.8432838	0.7632357	0.9167296	0.8579238	0.84956574	1,0354699	0.8428983	0.74294716	1.2411304	0.823343	0.7916379	1.1294906	1.1294801
60S ribosomal protein L6 (alternate clone 1)	1.0874766	1.1301306	1.1238925	1.1153653	1.076916	1.1364644	1.1581252	1.1706502	1.0966825	0.9357151	0.83716446	1,019827	1.0911468
Omenic cetter transporter 3	1.0384/3/	0.883336/4	1,2325191	_	1.1082929	1.303133	1.0861418	0.7138693	1.1814804	0.65389615	-	1.2561872	1.1219414
Rota actin	0.0040104	0.007/0004	0.0461358	-+-	0.82338864	0.8466833	0.8288421	0.91209847	1.0059855	0.82965066		0 92841044	0.9521025
Catheosin S	0.0023383	0.00010203	4 2676/82	4 4200574	1 0722060	1.182//54	0.81429285	0.72150904	1.3811171	0.9341973	_	হ্বা	0.75133723
Biliverdin reductase	0.988672	0 8304783	1 008118	-12	0.00147585	0.6223330	0.518013/	0.76017064	1.0460138	1.021/098	1.1510904	1.99368554	1.0388556
Phase-1 RCT-154	0.9004101	0.92674893	0.90102965	15	+-	0.9158813	0 9100383	0.63077420	1 0445738	-	٠.	٠.	1.001202
Phase-1 RCT-293	121768	1.1672828	1.1403168	-	1.1480901	1.0088599	1.039677	0.9673254	0.89126533	_	_	+=	1 089022B
Amexin V	0.9014699	0.9790916	1.0081031	1.2588427	1.0384034	0.9261032	0.7993922	0.826871	1.2057784	1.0499079	-	0.90212198	0.9733622
Complement factor I (CFI)	1.4956111	1.1495963	1.3063542	1.0145908	1.2674291	0.97545385	0.98807144	1.3288581	1.3277539	1.0661023		0.88869846	1.1689799
Phase-1 RCT-278	0.94202656	0.81921643	0.9200143	0.952974	0.9144934	0.8684145	0.85347676	0.944126	0.97932327	0.8095152		_	0,98826817
Tyrosina aminotransferase	1.4782602	1.192839	1.7459675	1.0891622	1.0219773	0.7406487	0.7712617	2.4160862	1.43665	0.7283484	8	_	0.78316045
Glutathione peroxidase	1.0601014	0.8482026	0.8479061	0.9047897	1.1853274	1.0243394	1.3336021	1.0920597	1.4337538	1,6009403	1.3506777	0.92951393	0.895014
Histidine-rich glycoprotein	0.94221663	0.7528121	1.1678214	1.2197388	1.3413714	1.1519202		0.73322654	1.021253	0.5835619	1.4232862	0.75221074	0.952909
Carbonic annydrase III, sequence 2	0.7203424	0.72897863	1.112851	1.1796547	1.0434724	1.0592614	-	-	0.95694953	0.53528257	_	0.7394772	0.9097453
Transitional andonlasmic ratio dum ATDasa	0.02134014	0.00239034	1.0265801	1.0036021	0.912068	1.0155107	462552	0.91467905	0.8692677	0.72256166		0.85338575	93381244
Place-1 RCT-88	0.9130232	0.1003/32	4 022673	4 0020074	0.720300	0.0377091	0.7633063	0.74097496	0.9095313	0.86341304	0.9474051	0.9008811	0.8733001
Phase-1 RCT-296	0.83899456	0.7592641	0.5736187	-		0.97134356	1 1530658	1 0242673	0.91252/4	4 030126	1.1500812	0.8611348	1 03423947
Phase-1 RCT-161	0.9905848	0.9778108	1,0668776	1	-	16	. 	+-	0.99134296	0.4484904	1 2786691	13184544	1 1062529
Glutathione S-transferase theta-1	1,0359911	0.913502	0.97896798	_	4-		4-	-	1.063044	0.57618154	0.742129	1 3050172	1.0518357
Phase-1 RCT-168	0.93217987	0.8914826	0.8766484	0.89335396	0.9986931	0.8274715	0.9707628	-	0.95938367	1.0170912	0.9320199	10	0.85805744
Phase-1 RCT-182	1.0320381	0.8722419	1.1453551	0.9798813	0.78770995	1.111889	0.9004785	_	0.90017184	0.80867946	0.97888213	92	0.8947837
JNK1 stress activated protein kinase	1.1040957	1.2033893	1.5390176	1.4406097	₩	1.0180285	1.1635323	-	1.218076	1.0832772	1.3566513	1.1547185	1.0531117
Phase-1 RCT-81	1.2808901	0.9992294	1.0518415	0.933387	_	0.95928484	_	1.0924891	0.9782534	0.908452	0.90817595	0.90362304	0.8092125
Priese-1 RCI-33	1.0312928	1.1231512	1.0037721	-	1,2376853	1.1003577	=	0.85803866		0.7825428	0.5991853	0.7894226	0.8703879
Applicomatein CIII	0.703/300	CUT82181.0	1 014 1003	0.70181596	0.47209433	1.0043938	0.8866891	2	0.9555103	٠.	_	٠.	0.79350674
Phase-1 RCT-98	0.9725323	1.0189484	1.3127183	1 0088943	-		1 027921	1 0398978	0.37032044	1 040548	0.93/13113	0.00013004	1 080/ 16/4
NADH-cytochrome b5 reductase	1.2347656	1.0278974	1.03221	1,0141063	121	0.8372537	1,0157341	0.8461232	0.6405781	_	d=	0.78171396	0.9038838
Alpha 1 - inhibitor III	0.9753797	0.9111553	0.97021675	0.9830926	1.0277396	0.8233888	0.9098862	1.2788999	0.69308984	-	-	4331	0.71515703
Phase-1 RCT-233	0.94999895	1.2541085	1.2895048	1.0728364	0.9382872	0.9817481	1.0915129	1.0855489	0.80885756	0.9278531	-	0.93664944	0.9804576
Faraoxonase 1	0.9257082	0.8086424	0.9410453	1.0143371	_	-	1.4343208	1.6888217	_	1.0188824	1.4662071	0.8230721	0.95541716
Presentine	1.1686412	0.92589915	1.0375314	0.98489016	_	_	0.95221778	-	-	0.88272125	: -	23	0.71904445
Cytochrome PASO 2023	1.3000004	0 79079556	4 00001	1.1213204	0.7303330	0.8862153	0.9384623	el,	0.94070363	0.9262682	1.0739247	0.89772105	0.815743
Phase-1 RCT-227	1 2002728	0.0972794	1 7778434	0.97321704	0.004724	-	4 2272813	1.0000030	1.03/430/	1.1202340	1.1405052	0.8097371	1.136/391
Hepatic lipase	0.9201563	0.71722263	0.79861226	0.75823826	70732707	+	0.93259233	0 8708170	0.0040875	0.70834	-	7000000	1.1/010/
Phase-1 RCT-164	0.9174798	0.8840923	1.0004438	+-	0.85156673	١.,	0.9055933	0.7644439	1.4428737	0.8737898	0.92708025	0.8083982	0 9038491
Multidrug resistant protein-2	0.8323587	0.88363004	0.6773307	-	0.9304552	1.040785	0.8804286	0.99938333	1.023925	1.128672	1.3552914	100	0.07414875
Insulin-like growth factor I, exon 6	0.96698594	0.8064049	0.8523994	1.0844959	1.5016441	1.6908125	2.286622	1,7243525	1.0919908	1.5580198	0.72660536	١.	0.97296035
N-hydroxy-2-acetylaminofluorene suffotransferase	0.90999913	0.8320577	1.1053389	0.9853115	0.8514848	1.8389548	1.6019073	1.7789648	0.98138425	0.61500823	1.2847359	0.8115046	1.2367915
Dynamin-1 (D100)	1 0276473	1.2025849	1 2312182	1 1141444	1 0117599	0.0570892	1 DASBACA	4 0473245	30703000	0 8200054	0.00489477	4 0454570	4 00034000
DNA polymerase beta	0.85654384	0.95113975	1.0159286	1.016863	1.0287015	0.9771063 0.97429967	3,97429967		0.9656734	_		0.85219574	0.9706627
											1		

Phase-1 RCT-173	0.8587228	1.2032715	0.8001115	0.9233553	1.127942	0.8348309	0.8314083	0.84926957	1 0492277	0 76125443	0 8040264	4 2367829	0 70/ 0000
Ubiquitin conjugating enzyme (RAD 6 homologue)	1.0132788	0.908407		0.92129195	1.0369884	1.0264703	0.9279189	0.89549965	1.1445509	0.8334487	1.0203898	1.0826395	1.070683
Ribosomal protein L13A	4 0959862	1 0086258	0 06000450	4 0970956	4 4020704	4 2000044	1 040004	0,000,0	200000				
Phase-1 RCT-144	0.83101547	0.90127677	0.8709105	0.007000	0.800033	0.7584475	-	1,0720049	7490000	1.0632107	0.0486808	1.2529446	1.1315937
c-H-ras	1.0092757	0.85906696	0.9471373	0.9408022	0.8986556	1 1107528	-	0.78730076	1 1106587	1 0130132	0.8014695	1 08258034	0.0265300
Vestcular monoantine transporter (VMAT)	1.1338757	1.2545631	1.2455846	1.1479207	1.1397574	0.9682627	0.89850086	0.8845101	0.8918481	1.9143497	1.0423783	1 086151	1 077849
Phase-1 RCT-273	1.0542128	1.0664817	1.0515783	0.9440258	1.132599	8	1.1249944	1.1695825	3.2679136	1.2128037	1.0854512	1 09038081	1 158474
Phase-1 RCT-230	1.0771129	1.0527806	1,0646818	0.979135	1,1513941	1.3307012	1.0715871	-	0.85761225	1.1517332	0.88866127	1,1171075	1.0580235
Phase-1 RCI-74	1.0833321	1.0955734	0.9514165	0.9511567	1.2056106	1.0676416	0.957836	_	0.82936877	1.1370718	1.0048506	0.9848505	0.96268326
Phase-1 RCI-80	1.0078875	1.3588861	0.9955559	0.8363434	0.9564724	1.1049113	1.0679866	1.0386165	0.82669187	1.0149271	1.0073269	1.0500203	1.1069702
Prase-1 KCI-156	0.91571325	1.0091028	2,7691846	0.93960166	_	0.89268124	0.886689	0.91850674	0.9479313	1.0389799	1.0439131	1.0007977	0.9139073
Deoxycytidine kinase	0.67794263	1.0698297	0.9170802	0.9789957	1.0396849	\rightarrow	0.92541414	1.0484636	1.0230314	1,4517194	1.2785332	0.9193027	0.9459742
mostrol polyphosphate multikinase (Ipmk)0	1.1242322	1.0150019		0.9518663	1.0131873	1.2438421	1,1883491	1.2690058	0.9269028	1.1136956	1.0292492	1.023167	1.2436676
Neuronal cell adhesion molecule (NrCAM)	1.080072	1.0439286	_	0.91398114	0.9710969	1.1451086	1.0547122	1.0263542	0.91055846	1.1518128	0.94078165	1.1157717	1.2064976
Hepatocyte growth tactor receptor	1.0331222	0.98801917		_	1.0513182	1.2442258	1.0400328		1.0848404	1.1645399	1.182307	1.0434884	1.0939193
Dominio mander P3	0.9476206	1.0778685	0.77443355	-	0.92562765	0.7408768	0.6183052	_	0.75599045	1,2273412	1.0227839	1.1774741	0.96138024
Department of the control of the con	1.0943636	1.0532422	ml.	1.1095395	1.0013114	1.0251024	1.2536986	1.3713233	1.0130244	0.9753838	0.98489636	1.0367026	0.96631557
Four money for abound	1.0915669	1.1180296		1.0718944	1.03217	1.1632483	1.0971383	_	1.0026375	1.1697029	1.1206105		1.1001159
Adressmentalin	1.00/0904	1.066033	-+	0.98819673		1.0233454	1.0463539	श्र	0.88498795	1.1051954	0.99643046	-	0.99567795
Constitute	1.040404	00130130		701027870	-	0.82889634	0.72838354	0.8106758	0.76733565	1.3415383	1.0004045	1.1629922	1.0892714
Dhan 4 DOT 420	0.84518766	1.0400517	0.9715819	0.94638735	0.945614	1.0240574	1,036203		0.8462945	_	0.9860757	0.9742462	0.9987701
Dhase 1 DCT 04	0.964/61	1.009353		0.95267856	_	1.085347	1.0948735		0.90337807	1.1472322		0.99864304	1,0585586
Campadaemic ratio dum calcium ATDaes	0.9144/0/	1.0913103	٠,	1.0163525	-	-	1.0446488	0.965924	1.0272152	1.0482861	1,0331916	0.9300161	0.8106534
Dhaca-1 DCT_70	1.2001/63	1021181.1	1.2784787	1.1232985	1,125141		0.97557807	1,3062958	1,2591586	1.276561	1.1629725	1.2539784	0.9953642
Phase 1 RCT 252	1.00001	4.0024077	1.02/2384	0.9583048	1.0523502	1.2188888	1,233158	1.0555556	0.9296273	1.1325424		1.0436707	1,0398625
Phase-1 RCT-151	0.885788	10934927		1.1422117			1.3048832	1.5548098		-	-	0,97985198	1.0199336
Phase-1 RCT-70	4 3408359	1 0064427	0.0323000	0.9362/003	8	7/9001097	0.83199486	0.8822176	0.9247868	_	0.99344444	0.8644511	1.024739
Phase-1 RCT-150	4 3600818	1 0408252	4 0435820	1,0071034			1.0785178	1.0523627	1.0008053	-	0.97390664	_	0.9683066
25-hydroxydramin D3-1 alpha-hydroxylase	1 0408454	1 0713623	ماه	٠.	1.10/913/	0.3071270	0.965/1016	0.9880621	1.1398091	1.1858135	1.0500845	-	0.99238414
Phase-1 RCT-119	1.0239861	1 2277719	+=	-	+-	4 2087026	1.104/30	4 1300105	4 0480000	1.0014306	0.6854612	1.024396	0.9016675
Peroxisomal 3-ketoacyl-CoA thiolase 2	1.0540267	1 3343302	1 3191373	1 1577529	1 1085604	8000600	_	0 89044065	4 4045400	4 0307042	0.0047600	1.0300184	10210001
Phase-1 RCT-148	0.9013935	0.96782637	0.851919	0 907967	0.95854896	_	0 07308408		0 80046049	1.00077700	0.091/669	1.1000443	1,0443295
Superaxide dismutase Mn	1.2435799	1 334 2232	1.3467083	+	1 118982		4 0303700		4 0475384	1.0562630	0.9302031	1.0310007	1.02433/6
Phase-1 RCT-115	1.0519744	0.98213583	1.1112015	1.0755063	1.0747793	1.3871518	1 27/1/55	1,0045019	1 0314493	1 131879R	0 96017456	1 2004808	1 1532121
Alpha-1 microglobulin/bikunin precursor (Ambp)	1.24618	0.9630785	1.0675732	0.9366026	-	0.91699976	1.025451	1.1161635	1.0172961	_	+-	0.75506663	0.9001037
7. T. C. C. C. C. C. C. C. C. C. C. C. C. C.										_			
Prase-1 RCI-18	0.90045977	1.0017498	ቨ	_	-	-	-	-	0.9236123	0.9780891	0.9973572	0.9180121	0.964122
Docerie	1.0723534	1.1418403	-	0.96889013	_	-+	0.93039036	-	0.84383523	1.2897073	1.0181806	1.095501	0.98074883
Poting of X recorder slake	1.0669914	1.4165521	1.3974947	1.1074705	1.2703869		_	1.1662391	0.9189279	1.1281644	0.9572085	1.4720458	1.0851525
Celhifar profess and binding profess (CNRD)	20702070	1.3/04399	0.97650635	1.04595/2	1.20/4845		-	0.66256434	1.0370606	-	1.0429696	_1	0.9729519
NADPH cytochrome PA50 oxidoreductuse	4 9236242	1 3740007	4 4006477	1.1153355	0.8949503		-	0.8961017	0.9713639		0.67222655	_	0.91771066
Malicentyme	0 71050505		1.1000472	1.0014020	1.204/909	1.0915987	2	0.8822643	1.1091412		1.1298392	1.2260795	1.0694501
Caspase 1	0 9288211		-	_		0.7000034	0.010019	0.0070000	0.7651629	1.0836118	4,00044	-	1.051407
Cystatin C	1.1224916	1.1194959	-			٠.	1 2188628	1 787961B	0.9731461	1 1065802	-	0.04079435	1 0236704
psscoc	0.8761545	1.021652	0.862381		0.9518141	4_	0.6829361		0.94121045	1 0592881	_	1 0935701	1 0237708
Poly(ADP-ribose) polymerase			-	0.93310314	-	-	0.84595567		╄-	0.88551088	1.069943	1.0325987	0.951148
Tissue plasminogen activator	0.9035504	0.97592455		1.0170149	1.028418	1.2411344	1.183396	1.1391244	0.8917441	0.8347132	0.905597	0.85392755	0,9831994
Multidrug resistant protein-1	0.78095967	0.7335182		0.95580494	0.9530794	0.9020272	0.8103981	0.879083	1.0899143	0.9468519	1.3979633	1.0609937	0.9791863
Phase-1 RCI-20/	0.99505174	1.0950443	0.832097		-	-	0.94826883	0.85478115	1.0504447	0.96343255	0.81513846	1.1363107	0.9121698
Phase-1 RCI-181	1.1183282	0.9853407	1.0283523	0.8937835	_	_	_	0.86352587	1.1326659	1.390284	1.0446703	1.1267475	0,9949127
(Gib1)	2.0363147	1.8287897	1.3195909	1.5151329	2.101717	1.4025865	1.4358855	1.2624295	1.2122568	3.3878913	1.4796648	1.3547949	1.0688583
Aquaportn-3 (AQP3)	0.9222493	0.98037523	1.0281225	0.9805326	0.95660853	0.95210004	1 0134764	1 0430444	O SPAZOROZ	0 0481075	0 0807545	A GZEGSSOA	0.04407763
Myelin basic protein	1.2456431	1.1029947	0.8662174	_		+-	+	0.77050436	1 012419	1 1595284	_	_	0 8882542
Calgranulin B3	0.94534683	0.9125257	8	0.98927265	183558315	0 9369665	-	RE751146	4 0244303	1000777000	0.007.000	4	0.00000
		1	4		The second section	Common	1,007,100,101	100101010	1.000	1.00007 776.0	7.0001 83001	0.92301051	0.9512020

Phase-1 RCT-156	0.992825	0.802825	0 9542208	188248457	0 0307/03	1 86033446	0.0044900	77000000	4 4000000	0,02200,	0,00000		
Proteasome activator 28 alpha	0.90289458	0.90289458 0.7976625 1.0407864 0.9806569 0.84122705 0.99901754 1.0792819 1.0742783	1.0407864	0.9806569 0	1,84122705 C	1,99901754	1 07928 19	1 0214782	1 0102442	0.0001010	1.0078518 1.1430846 1.0538337	1.1430646	1.0538337
				-		-			+	20000	200	00000000	
(1) Gene expression data for 72 hour timepoint			-			 					-	 	
for all 72 hour predictive genes (Table 23).						•							
							_		-				
(2) Compound and dose abbreviations as in Table 1.													
(3) Individual animal number			-		1				+	1	+	1	
(4) Liver inflammation classification for compound												1	T
dose group at 72 ht yes-near, necrosis observed; ves-hoth necrosis with inflammation observed:				,,,,,,,	,	•							_
no, no histopathology observed										·			
								_	_			-	
(5) Predictive gene (as in Table 23 and as included in Table 26)													

Table 30. Expression Data for 72 Hour Timepoint (1)													
	Т	П	П	П	П	П	П		П	П			
Compound-Dose (2)		_			_	CYCA 80		DEX 38					DEX
Animal Number (3)	2149	427	428	429	437	438	439	1357	1358	1359	1347	1348	1349
Liver Toxicity Inflammation Classification (4)	8	5	2	2	2	5	2	8	Q.	2	2	2	5
Gene Name (5)	,												
Prase-1 RCI-10/	1.1292918	1.2788833		0.88051426	_	0.67093587	0.7180358	1.6642781	0.98609886	1.0990493	1.8462869	1.017612	0.9748602
Decision normocystems menyuransierase (BHM1)	0.95812504	2.0977316	2.4765644	1.7445312	1,4458791	0.36728206	0.6143343	1,2194722	1.5423923	1.8711014	3.0408347	1.2547274	0.9790118
Charlemene DASA 2018	4 0/67342	4 4745700	4 4746200 4 0257463	1,4505,757	1.0411046	1.0241978	1.1028612	0.98596	1.0901912	0.9754208	1.0387689	0.8920989	1.1078373
Chodhama DAE 2014	4 906677	1.1743280	1.035/103	2/90001.1	1.0345931	905077870	0.5937/16	1,22007.1	40/8/US4	1.3896873	1.147087	1.0238819	0.979142
Cymenting results	1,0000.1	0.90301833	0/90000	0.9798612	0.94435984	1.1869307	1.2080069	1.1358362	1.3866265	1.1749051	1.2747794	1.1837368	1.2648478
Phase-1 RCT-59	1.0255775	1.4556903 0 P5180054	0.70460684 0.84830446	1,493/136	1.1815686	0.5071215	0.673233	1.2550104 4 4070546	1.4882594	1.8421942	2.542163	0.0000034	0.9801048
Beta-actin sequence 2	0 9284483	0 9083544	1 1042447	0.0465040	_	+	4 4440709	4 0060485	4 0477703	zł.	1.14/2/19		0.007 12307
Phase-1 RCT-292	0 9543792	0.84769714	0.8708079	0.90013403	0.001050	0 0305845	4 0446642	0 97/0697	1 0759102	-			1 0447449
Pyruvate kinase, muscle	0.8798138	1.0857997	0.97536916	1 2616954	0.8947152	1 3422297	1 1754122	1 32925A	-	0.04675034	4 2788247	1 1 1 3 8 0 3 4 0	1.0 17 143
Osteoactivin	1.0240222	0.896871	0.864158	0.9913611	0.8853764	1.1373097	-	0.8681322		1.168433	0.8926441	1 0287004	1 0302615
Calgranulin B1	1.0272896	1.3868315	0.93983585	1.3432729	1,0266143	1,4195893	1,187761	0.9609213	1,0525991	1.0325742	1.1168119	1.05318	1,0598507
Apolipoprotein All	0.9664375	1.630234	1.2929926	1.4360539	1.2098233	1.1408312	1.6144732	0.49113858	0.727478	0.7857571	0,41981148		0.78800595
Connexin-32	1.2281916	1,1302176	1	٠.	1.0058435	1.1434522			0.89975476	1.0500863	-		1.049793
Phase-1 RCT-109	0.92698926	1.2158397	1.1518681	1.1532438	1.2002677	1.4095066	1.1289595		1,0056187	0.992094		0.9463994	0.8937542
Glycine methyltrænsferase	1.4996918	1,357226	1.5469682	0.9010144	S	0.54866797	0.6512998	1.7141715	1.0052238	1.1235883	1.9821277	1.0131313	0.9429279
L-gulono-gamma-lactone oxidase	1.0270665	1.5331869	1.2854646	1.0644956	0.887273	0.4414875	0.577064	1.0502738	0.8930921	0.88460046	0.8648169	1.1773311	0.9862472
Phase-1 RCT-256	0.89068687	1.4777024	1.5087241	1.175517			0.90594685 0.96911114	Ī	1.0924357	1.1566902	1.0526427	1.0725857	0.95229965
Carbonic enhydrase III	2.019183	0.66143453	0.6981112	0.7176741		_	_		0.56524897		0.25568482	0.7166127	1.157852
Phase-1 RCT-78	0.8054032	1.144422	1.0361567	1.0926943		_	0.85158193	0.8838849	1,2335231		1.1179467	0.9762253	1.0785503
Unitrary protein 2 precursor	1,0929203	0.8544224	1.2323565	0.9308765	0.90156496	0.7156372	0.58815217	0.6549297	0.690665		0.51927906	0.8298688	0.6780174
Institutinike growth factor i	1.110507	1.0465671	1.523598		0.7659172		0.75548228 0.71141018	0.71141018		₩.	0.73003185 0.88031685		0.95693487
Phase t PCT 185	1.1133/40	1.89588.1	1.2/48202	_	0.79904664	0.4504266	0.7866222	1.9703983	0.8192193	0.83287024	2,3396354	1.0480871	0.7816612
Collin	0.0646409	10403003	4 0020000	4 0029006 0 04067042	0.070/1430	0.7033307	0.0567300 0.06381863	0.00301983	0.990982/3	7855587	0.7503246	-	0.8855058
Stathmin	1 0344216	A1000010.1	0 6512405	08243362	1 0253643	4 2224408		4 0464002	4 0664520	4 0909444	212/COU.	1.022331	0.65004300
60S ribosomal protein LB	0.93184716	0 9593333	1 0840175	0.9726767	1 2178493	1 1998197	1 0070052	1 0075130	0.8908617	0 800112	-		1 005/13/6
Calpactin I heavy chain	0.9659106	0.9420722	0.8040061	1.1129271	1.0056458	1 2509696	1.1621914	1.0293918	1 2262361	1 2713084	_	1 1089665	1 0574887
Collagen type II	0.79779825	0.79779825 0.97475165	1.1707809	1.2646807	1,267839	1.292575	1.4139172	1,3099663	0.9814044	1.1687099	0.9738999	1.0804911	1.0324548
Phase-1 RCT-179	0,8731843	0.79567343	1.0344636	1.0024524	1.0044488	-	0.82875156	0.9164758	0.94214714	-	0.86597365	0.8496479	0.9005984
Voltage-dependent anion channel 2 (Vdac2)	1.0022452	1.172515	1.1763374	1.1192122	1.2327982	-	0.9222117	1.0473233	1.1205373	_	1.1357812	0.9502921	1,0548445
Phase-1 RCT-192	1.0780498	1.0025298		0.0984779	1.0606666	1.0427132	0.9462553	0.8946574	0.9956306	1.0145986	0.9854716	0.9729747	0.96794146
Adenine nucleotide translocator 1	1.1587278	0.8392341	_	0.98000354	1.0734262	0.7602497	_	0.97974426	1.0569977	0.9053068	1,0871047	0.9653234	0.99341077
Inymosin beta-10	0.8726415	1.110147	1.4052982	1.0154701	1.2575134	1.1644214	1,0608912	1.3050677	0.80977166		1.7925421	0.9718541	0.821438
High aminity ign receptor gamma chain (FcERigamma)	0.93614626	0.8659391	0.8138246	0.906005	1.0431533	12187135	0.9411922	0.8054327	1.0533477	0.98075014	0.80553186	0.8812372	0.99975204
Gamma-actin, cytoplasmic	0.971497	0.95438474	1.0900416	0.9570841	1.1188185	1,0087211	0.9547366	1.0866205 0.94462264	0.94462264	0.9177748	0.8829677	0.95071258	0.95481473
Uncoupling protein 2	0.8813807	0.7818076	1.0664377	1.0237813	1.2744315	1.451889	1.2299707	1.0899016	0.76387304	0.8754012		0.93016154	0.8995098
Phase-1 RCT-34	1.082406	0.9764898	0.9050142	0.92537147	1.3215144	1,2019861	1.1247215	0.814364	1.0277296	0.9765328	0.9641479	1.0182736	1.1162993
Phase-1 RCT-31	0.97783885	1.138079	1.2294436	0.9420427	1.0614245	0.7013858	0.7129689	1.1968175	1.2424989	1.1808805	1.6342143		0.97894377
Cyclin D1	1.4580586	0.87749153	0.6370017	0.9652214	1.3900472	-	0.98123825	0.85768497	0.7522711	0.7401671	1.0217454	0.88741475	0.99298465
IgE binding protein	0.898968	1.0249848	0.809337	0.9590459	1.0058296	-	_	1.0961411	0.9631939	1.0521382		_	0.9747619
Dheen Cort 43e	1.0913663	0.6482025		0.83524406	0.88714504			0.91228855			_	-	0.93510765
Aleke teksile	0.90003330	0.9674239	-	0.92437803	1.0114303	1.184448	_	_	-	6	0.93994665	0.9819252	0.8553008
Alnha-mothymostn	0.8037492	1.328019 U.590/162/	1.0392317	78/8/87	1.2151084	0.9929797	0.9883693	-	0.85879093	4 4060484	1.2508701		1.0029331
Calpain 2	0.94494516	0.94494516 0.98685684	0.75807685		4::	1 0484521	1 0274218	1 181 1055	1 DR2847R	1 084884	1 2752050	1 0900894	1 0592507
Phase-1 RCT-12	1.0064231	0.9844428	0.8707415		1.0085766	1.0480716	0.9357342	1.1762588		0.87606686	_	0.98895623	0.8672071
Cathepsin B	0.8533288	1.2210201	1.2681804	1,0698583	1.0121789	1.1136122	1.1312598		0.97591406	1.0458587		1.0225977	1.0829252
Phase-1 RCT-24	1.2692897	0.8441142	0.9002981		1.2823185	1,0934291	1.0175707			0.95900553	_	0.99309105	1.0692143
Melanoma-associated antigen ME491	0.8913714	0.8381214 0.75007546	0.750075461	1.069553	0.91743124	0.9168849	0.9997298	0.99296284	1.1281337	1.042141	1.0566673	0.95923734	1.1246439

Phase-1 RCT-68	1.0158757	1 068036	0.8848832	1 0196689	0.8715506	1 01348131	0.0740205	4 1847067	1 3278278	1 1830004	4 227586	4 0440520	1 0870074
Cyclin G	1.1006051	0.89971274	0.84309865	+	0.96330285	1.0685531	1,1550485	1.094051	1.658453	1.1310518	1.1912861	1 257428	1.2287412
Hypoxanthine guanine phosphoribosyluansferase	1.0773463	1.0449746	1,3379214	-	1,2669691	0.822448	1.0284543	1.2086903	0.9485482	1.0078133	 	0.91602635	0.85722276
Tissue inhibitor of metalloproteinases-1	1.018447	1.0979167	1.010369	1.0804334	1.2453914	1.3392295	1.1421157	1.1728779	1.1018192	1.1728346	1.0646641	1.0104572	1,0858451
	1.3193542	0.8875812	0.89053833	-	1.0564907	1.082817	1.0480347	0.9654851	0.9870556	0.99280846		0.97694298	1.0157462
Ribosomal protein 59	1.1624703	0.98141515	1.2308806	1.0536163	0.97900873	1.0866119	1.0812929	0.897826	1.0156658	0.9403741		0.86572003	0.9444869
Ribosomal muteln SA	0.8801881	1.0948458	1.2845437	1.0805423	1.1430535	1.9947127	1.1638529	0.7487025	1.0959599	0.8094142		1.2104739	1.3497748
Ribosomal protein S17	1 1196235	0.9858784	1 1306316	_	0.8872283	1.0990309	0.61/83/0	0.7827167	1 0060154	1 02/05/20	1 1324502	0.87113893	0.9206201
Nucleoside diphosphate Idnase beta Isoform	1.212573	1.1886274	1.2065467	1.1322056	1.2684265	1.0795428	0.9675254	1.0142729	1.0003064	1 1544698	1.1175275	1 00183	1.0749851
Phase-1 RCT-121	0.9305875	0.6176245	0.7379192	0.9220102	1.0875999	1.0572119	0.8022444	1.0610038	0.8964883	0.864018	0.9207063	0.9029191	0.89264303
14-3-3 zeta	1.0093846	0.8631851	0.79354936	1.0484487	1.2461547	1.0916127	1.09253	1.0034224	1.0543782	0.89403656	1.0484194	1,0651486	1.1293201
60S ribosomal protein L6 (alternate clone 1)	0.8667322	1.2152544	1.3048285	1.0806589	1.1568438	1.2227399	0.93934214	1.3305948	1.0252354	1.0467294	1.5725636	0.9921544	1.0438359
Beta-tubulin, class I	1 22554	0.9271002	0.89248276	1.1768804	1.0840712	0.8472833		1.1507015		0.8776367	\rightarrow	0.9808783	0.90513545
Organic cation transporter 3	0.95616996	0.7682027	0.9640565	0.9413177	1.2875036	12486745	_	0.97003144	-	0.88489497	尀	0.86014926	0.9084476
Cahorein S	1.1514144	1.4577400	-	0.89692354	0.9976649	1.1260333	0.8719199				0.8649273	0.980727	1.063862
Rillworth reduction	1 0037845	1,0003603	0.7070333	4 0322204	1.0456/15	1.0310528	1.141908	-+-	<i>a</i> l:	0.78803456	0.79451656	0.7615979	0.9903437
Phase-1 RCT-154	0 9949173	0 8734484	0.62741080	1 0336201	1.0825680	1 04 78043	1.1112238	1.320/10/	1.1/0/304	1.0624061	1.0223019	1.11039	1.1155549
Phase-1 RCT-293	0.91421854	0.8194093	0.3731503	0 0000101	1 0475659	1.01/0343	3 8	0.75042254	1.0207335	-10	1.0300309	1.0440187	0.9824/6/
Amexin V	1.0707493	0.8820123	0.84534186	1 031034	+	0.89289665	1 1249338	E	0.91837454		+	0 91760457	1 0909528
Complement factor I (CFI)	0.9125906	1,3519135	1.3253828	1.0084432	_	1.5161462	-	=	+		+-	0.92345124	1.1066073
Phase-1 RCT-276	1.1143249	1.1285628	1.0717785	0.9242676	1.0987214	0.8127123	0.7619068	1.1928617	_	-		0.91159	0.8779828
Tyrosine aminotransferase	0.971251	1.2717332	1.1313412	1.0522158	0.8879897	0.605521	0.8424976	0.47819513	1.0764493	1.1875336	0.7350773	0.7899495	0.96904016
Glutathione peroxidase	0.93448275	1.1657331	1.2956789	1.1319427	1,0027109	0.85585376	1.169736	0.5748718	1.0694077	0.98524475	0.57907176	1.0062976	1.109091
Histidine-rich glycoprotein	0.8159991	0.8281776		0.77730817	_	_	0.60841038	-	0.9444841	1.1642365	_	0.83442058	1.1259401
Carbonic anhydrase III, sequence 2	0.7685332	0.8248482	1.5012692	ᇸ	_	-1	0.62627834	1.7574067	0.88443315	1.1209654		0.77929574	1.0817102
Transitional and advantage and and an ATD and	0.8664479	0.9783552	-	-+		-	0.7067069	1.7946904	0.9184125	-	_	0,97888637	1.061008
Phase 1 RCT-88	0.88860205	0.7333034 0.80045743	4 4446560	0.9/966436	0.91941696	0.8053101	0.86567795	1.0197226	0.9874164	0.9347181		0.8905508	1.0121182
Phase-1 RCT-296	1 0415663	1 3423198	_	1		1 1083347	1 2643765	_	1 144042	0.1307.10	0.3655.208	0.023091/0	0.000000
Phase-1 RCT-181	1 604114	0.7459004	+	0 77988785	-	+-	0.68218358	0 7442020	y g	1 0540721	0.3033500	0.8651354	1 1001847
Glutathione S-transferase theta-1	1,1374291	1.0194448	-	1.3139528		-	1.148068	713	283	0.99012923	-	0.99908105	1.0558234
Phase-1 RCT-168	1.0171533	1.019508	0.8728044	1.1750945	1.2606905	1.1084851	1.1714007		-	0.9864038	-	0.82064724	0.9732165
Phase-1 RCT-182	0.91815954	1.1074648	1.2785748	0.9364985	0.8138862		164	0.95551234	0.9638428	0.91988966	1.0043747	0.891596	1,0088597
JNK1 stress activated protein kinase	1.0829595	1.2980233	1,2216706 (-		-	0.86603548	1.9482772	_	0.83797846	2,2034755	1.1260844	0.886892
Prase-1 RCI-81	0.89949954	1.0374745	0.9996448	_	_	0.88841987	0.8668365	0.87847906	1.0460094		_	0.94493484	1.0537283
DESCRIPTION OF ATE	0.70480784	1.3823099	1.0233452	-		1.3924003	1.1889304	1.19/9105	1.0895994	1.0198495		0.99305344	1.0277511
Arollowstein Citi	1.0773030	0.7955877	4 2030722	1.0512046	4 0727275	0.09604845	0.7858582	1.0232288	1.0105606	1 0272055	4 0454842	0.99430364	1.172/063
Phase-1 RCT-98	0.969441	1.0791463	0.8890688	٠.	0.88092446	-	0.8243842	1.7796776	1.193153	1 2049369	1 2678548	1 0495706	10185485
NADH-cytochrome b5 reductase	0.75539184	1.6027588	1.2489368	1	0.97045153	0.933639		0.58265334	1.0443331	122	0.76423407	1.0906225	1.0267262
Alpha 1 - Inhibitor III	0.937301	1.0770602	1.0531949	1.2937601	0.85916215	1.1120485		0.44557998	1.0182495	0.965047	0.4988053	0.68192863	1.1355809
Phase-1 RCT-233	0.96339184	1.0670396	0.8580184	1,1246686	1.0401813		_	4	1.2063017		اعدا	0.92115414	1.0939907
Parackonase 1	1.1936886	1.0827893	1.1573358	0.8559121	0.73305297		-		-	-	0.60682327	-	0.95296087
Presentin-1	0.94507855	1.1165687	1.0307845	1.2780199	_			0.44512348	-	0.99940413	0.4931508	0.7001473	1.1434969
Applipation Ci	0.8307/41	1,0000	0.98614305	0.8573749	_	_	0.70984286	ΩĮ.	1.0983608	1.0103782	0.6651555	0.8898788	1.0197501
Disco. 1 DCT. 223	0.88309187	1.2303436	1.0905607	0.8877144	0.923413		0.89802027	_	0.89930964	0.8382943	0.3326177	0.88770425	0.93078
Henatic linase	0.71982589	1 1072234	1 1744728	-		0.81480545	0.7082246	0.9308952	0.83250047	1.27622/1	1.1552309	0.948//46	1,0611315
Phase-1 RCT-164	1.0173072	0.7093401	0.88818914	0.9641743	1.1343135	0.9583131	1 2	100	+	0.85971886	1 19	0.94943136	0.6353333
Muttdrug resistant protein-2	1.100803	1.1465071	1.1847309	1.0720819	1.0207369			-		1.1356161	_	-	1.1345975
Insulin-like growth factor I, exon 6		1,350137	1.1882974	Н	0.89071625	1,1524009	1.016287	0.68267536	0.75008905	0.8497729	0.6310394	1.0581223	0.9396342
N-hydroxy-2-acetylaminofluorene suffotransferase (ST1C1)	1.0822898	0.906577	1.5293059	1.25796	0.7494679	0.79889894	0.74706674	0.4959706	0.789873	0.82893823	0.4888163	0.82139003	0.83850574
Dynamin-1 (D100)	0.9337162	1.039085	0.970882	1.0305948	0.9082102	0.76287067	0.84281	0.9644233	1.0707159	1.0173571	1 0940012	0.908018	1.0014137
DNA polymerase beta	1.1917474	0.95528907	1.0081071	0.9513891	-			0.75221044 0.85239106		0.95827883	1.0021293	0.8771471	1.0026884

Phase-1 RCT-173	1.0552132	0.6118906	0.6118906 0.79622275 0.86114717	0.86114717	1.1721451	0.84817266	0.96364564	- 1	1 1196227	1 1465967	1 3401563	1 0833035	1 0138404
Ubiquitin conjugating enzyme (RAD 6 homologue)	1.0792493	0.9655548	1.3145353	1.1129712	1.0816532	1.0739564	0.93413216	0.9279984	1-	0.86055875	1.0687081	0.899923	0.8533623
Ribosomal protein L13A	0.9579014	1.353586	1.3294154	1,1681536	1.322898	1.5191462	1.1970937	1.1658009	0.87843055	1 0357401	1 083524	1 0512401	1 0370046
Phase-1 RCT-144	0.9982378	0.8137931	0.96148655	0.91275096	1,0006049	0.94939538	1 0227901	1.0285193	1 0255679	0 9834798	0 9979191	0.0537308	0 9954954
c-H-ras	0.99686915	1.1157527	1.0816742	1.0427095	1.0428811	1.3789739	1.1550528	0.87255406	0.90051776	0.94665086	0.8680759	0.9287081	1,0105083
Vesicular monoamine transporter (VMAT)	1.031776	0.95888484		1.0713649	1.1013277	1.0804832	1.1273792	0.79252386	1.1098735	1.0717688	0.9107034	1.032598	1.2489508
Phase-1 RCT-273	1.0043789	0.7310044	_	0.82138294	0.8910449	1.13814	1.0711095	0.9213084	1.0145825	0.9437431	0.9875314	1.2637578	1,1164382
Prizse-1 RCI-230	0.91276747	0.7029139	0.62931544	0.801657	0.9087213	1.2858104	1.0886387	0.9334081	1.0208163	1.0030453	1.0009565	1.1922292	0.996857
Phase-I Noi-14	0.89606293	0.8988037	0.6427733	0.8812444	0.7958821	1.0126789	1.1749939	1.1001395	1.083454	1.0893201	1.0775284	1.0673481	1.0792071
Priese-1 RCI -dU	1.0053028	0.7306556	0.68013924	0.7999282	0.81983215	1,3017298	1.0224246	0.8108212	0.96465707	1,0490593	0.8900492	1.1776105	0.9821417
Price of the Control	1.0033///	0.6626696	0.6430823	0.8697749	0.8754636	0.8643414	0.8550694	1.1383898	0.98339105	0.9845522	0.9705071	0.98449016	0.9948132
Decoyotidine kinase	0.9347988	0.8323244	0.871167	0.8112581	0.8225245	1.1178826	1.1381223	0.79273015	1.0901653	0.9690591	0.8609382	_	1.047818
Mouse payprosphate markings (Ipmk)	1.0385348	0.7507472	0.7471709	0.83920234	0.8231553	1.273741	0.9434566	0.81802267	0.97538567	1.0030396	0.9100332	ᇒ	0.93920606
Wedichiga Car auresion moscure (NICAM)	0.9026833	0.6940955	0.6940855 0.63000256	0.8288860	0.95906126	1.4370474	1.1305206	1.2070001	1.0128479		1.091932	1.1869881	1,0805857
reparocyte grown ractor receptor	1,0311103	1.0176553	0.98196006	0.9821541	0.92486674	1.0040605	0.8255459	0.8150277	0.9587742	_	0.66901934	_	1.0008178
Donamine secesitive D2	4 0745450	4 4004200	1.4594121	0.692626	0.73755546	0.9945525	1.0885888	0.9523636	1.0191768	_	0.98041475	-	0.92423286
Phase 1 PCT.54	3300000	0.0747744	1.47.04933	1.034.03C	0.0071975	0.85407877	1.030/853	1.2843703	0.8085013	0.9932/66	1.5753419	_	1.1485903
Four meast fon channel	0.9900620	0.01 121 14	0.122/300	0.03304193	0.0201990	0.848/203	0.9666849	1.00401/7	0.8265301	0.8553702	1.0706376	-	0.92760086
Adrenomedulin	1 0277559	0 68088486	0.6131656	0 7364663	0.9323337	1.0314095	1.9326997 4.4320639	0.7285608	0.9422477	0./042514	98511889	1.0203/98	1.0190376
Caveolin-3	0.94577956	0.89990455	0.71381485	0 94676536	78068081	1 0730811	0.9776155	1 0042694	4 0284542	_	4 047700	1.1 142340	1,00001
Phase-1 RCT-129	0.99839735	0,92700696	0.80369097	0.8984042	0.8009604	1.1386045	1 0491875	0 8808558	+	0.9504316	1017100	1 0704144	0.000042
Phase-1 RCT-94	1.0462282	0,78390807	0.6754558	0.8874203	0.8556353	0,9381205		0.95225656	1.0288855	1.0245498	0.8541473	1 0807109	1.0052443
Sarcoplasmic reticulum calcium ATPase	1.1790305		0.85085034			0.8985815		1,2205182	0.96026576	1.0331179	0.9928774	1.0400127	1.0308583
Phase-1 RCT-79	1.0111549		0.8179982	0.91311705	0.95435566	1.1039613	0.9883693	1.0317883	1.0393306	1.0307539	1.073142	1.1223326	1.0350311
Phase-1 RCT-252	0.98897215	1,5882823	1.5267569	1.0215566	1.0712731	0.6743942	0.7927395	1.573232	0,9590765	0.9633724	1.6443883	1.0409442	1.1650585
Phase-1 RCI-151	0.9579004	0.8742756	1.0117866		0.9530538	0.8846181	0.9459872	1.1164842	1.0128349	1.0695235	-	1.012886	0.9592851
Phase-1 RCT-150	1.1293583	1.1562197	1.92805575		0.88643694	1.0013883	1.6541489	1.2163665	1.0119009	1.0504383	ᆏ	0.94256645	0.9998736
25 hadmoodtomin D2.1 olaho hadmoodoco	0.003000	1.0024073	1.0330347	1.003/8	1.2003243	7.0220.0	1.1589612	1.0313172		1.125511	1.003427	1.1464034	1.0319691
Phase-1 RCT-119	0.9190303	4 1500684		0.84068537	0.91/43124	0.93529//	1.1661712	1.0924673	1.0863819	0.93576205	1.0163237	1.0169014	1.0304319
Peroxisomal 3-ketoacy-CoA thiofase 2	1 027597	1 105168	1 27 19 % BR	1 4688041	4 3096843	4 2633775	4 08440073	1.722000	4 400000	0.32740/4	1.09/401	LUCICIO.L	1.1441925
Phase-1 RCT-146	0.998758	0.7160226	0 58343085	0 80872214	0.00352648	4 09657R7	1 1321158	0.06842244	1 4172083	1.214400	1.233867	1.03023	1.114509
Superaxide dismutase Mn	1.0397356	1.2440203	1.1485652	1 158105	1 1786753	1 2372295	1 0310848	1 214467	1 0841191	1 7748638	1 17850	1 0035522	1 1 280087
Phase-1 RCT-115	1.0857573	0.8789273	0.7931718	1 0008773	1 0016844	13185358	1 2835408	0 8904852	0 9844727	4 0042285	0.0471323	1 1006463	0 000007
Alpha-1 microglobulin/bitantin precursor (Ambp)	0.886622	1.1228434	1.3022913	1.0783532	0.956855	0.873772	0.795792	0.8863753	1.0294667	-	0.95456034	0.89012223	1.00206
										_			
Phase-1 RCT-18	0.9027972	0.87617004	0.72912294	0.9109948	0.89550734	12709764	_		0.99780345	-	_	0.99641246	1.0011144
Domin	1.1143464	0.20145124		0.62910055	0.88623863	1.165852	т.	-	0.91558135	-	0.68923384	0.9115183	0.9309706
Patient V mounter stehn	0.0841203	0.70045376		0.73012924	0.9106854	1.16/567	1.2592558	0.8889452	1.0842326	0.8022826	1.0876392	1.3591279	1.0926299
Cellular muleir soid Nadiro centeir (CNBD)	0 69000427	4 0404069	0.9774513	0.878030	0.6223985	0.8045209	1.0338883	_	1.26/4531	1.1326133	1.1569464	_	1.2824607
NADPH cytochrome P450 oxidometriclase	1 245078R	1 0817678	1 0244428	1 1602606	0.0333008	1.0090241	1,0382889	4 000000	4 4055004	1.0348396	1,2309111	1.0199172	0.97973293
Matic enzyme	0.9533807	1.0084457	0.64839288	1.1331443	1.043208	0.8425674	1.1357837	0.7297758	0.9081613	0.8055069	1 0762578	1 0045846	1 2880344
Caspase 1	1.0017105	0.64137936		0.91747206	1.0058831	1.0592048	1,1161911	1.0323927	0.9779879	0.9899503	1.0959877	1.131387	1 1079373
Cystatin C	0.9771981	0.0601196	0.98498863	0.788917	0.88453406	0.8876274	0.7316357	1.0777305	0.9245112	-	╅╼	+=	0.87588525
psecoc	1,0450071		1.0092947	1.2670685	0.9050029	0.9174748	1.2282223	0.75535667	1.0527911	_		-	1.1495955
Poly(ADP-ribose) polymerase	1.0048362		0.87706774	1.100284	1.1113693	0.94470507	1.0369065	1.1786835	1.0000179	1.0382776	1.2817653	-	0.96910626
Hadidan activator	0.820228	0.86766034	0.7834409	0.8610902	0.7294761	1.0097779	0.7997062	1,5838435	1.1876404	1,3477398	-	1.0102112	0.9475227
Muluulug resistant protein-1	809/501.1	1.3041042	_	1.2965623	_	1.2680602	1.1089159	1.6939944	1.3259294	1,3118038	1.2572452	1.4359819	1.3870392
Dhase 1 DCT-191	0.37832257	0.5904/63	-	0.90019953	-	0.92980057	0.8904528	1.1038498	1.0975465	_	_	1.0577494	1.0098682
Car lead of the last	1.0612009	0.90784615	0.82969 6 95	1.0235031	0.9100326	0.93156886	1.0500054	1.4644052	0.8852462	-	_	0.93311435	1.0338623
(Gjb1)	1.4.203000	7.4505055	1,26933566	1.203281	1.0466205	1.1838021	1.5648898	1.2093308	0.969655	1.0306753	0.9564044	0.84606465	1.0485897
Aquaporin-3 (AQP3)	1.0309263	0.84474355	0.66270924	0.927202	0.8128711	0.85628563	0.9512967	0.94420743	1.2830748	1.12413	1,1251388	1.0184329	1.0527695
Myelin basic protein	0.76294047	0.94189364	1,2036563	1.0180515	1.0661826	0.9306982	0.85867157	0.9535377	0.8005023	0.8523981	0.8540878	٠.	0.93037426
Calgrandin B3	0.9784131	0.67726076	0.8031379	0.96903443	1.0253936	0.9045925	0.9869179	1.0743072	1.0722929	1,1077468	1.1061025	1.0422751	1.0292861

Phase 1 BCT-156	4 0000000	4 4 40 40 40	4 00777004	, 000000		100000			ŀ				
	2007080	- 40	1.35//034	1.0502002 1.1401040 1.0577694 1.23276924 1.05045557 1.050455748 1.0348014 1.0763147 0.9753848 0.9279438 0.91130686	1.0004557	1.0469296	0.6932748	1.0348014	1.0763147	0.9753848	0,9279439	0.91130686	1.0056305
Professome activator 28 alpha	1.0842074	1 1028472	0.99974835	1.0842074 1.1028472 0.99974835 0.9888231 0.7876244 1.1209308 1.0841887 0.7272079 1.1476877	0.7876244	1,1209308	1.0841687	0.7272079	1.1476877	1.0082513	0.8609258	0.8609258 1.1255566	1.1265703
							-						
(1) Gene expression data for 72 hour timepoint								-	-			1	
are presented as mean ratio of treatment/confroi				•									
for all 72 hour predictive genes (Table 23).							•				•		
										-			
(2) Compound and dose abbreviations as in													
Table 1.								_		_		_	
(3) Individual animal number				-									
(4) Liver inflammation classification for compound									İ	İ			
dose group at 72 h: yes-near, necrosis observed;											-		
yes-both, necrosis with inflammation observed;													
no, no histopathology observed													
				_					_				
(5) Predictive gene (as in Table 23 and as				-		r							
inctuded in Table 26)													

Table 30. Expression Data for 72 Hour Timepoint						-							
	П	П											
2)	_			DIF 25	DIF 25	DIF 25	DOX 12	DOX 12	ERY 160	ERY 160	ERY 160	ERY 40	ERY 40
	257	258	259	247	248	249	1257	1258	357	8	65	8	348
flammation Classification (4)	2	8	9	2	2	9	2	00	92	8	5	8	8
Dham 1 DCT 407	, ,						_						
Retailor homographics mothethrane (2018)	1.4735/61		0.99149185	0.97323596	1.1315227		_	0.86087525	1.1586772	0.75175846	0.7673632	0.71470284	0.8178533
Proliferating cell nuclear antinen nene	0.038/816	0.0502086	0.98946893	1.4889206	1.2767898	-	_	0.90194136	2.3424537	3.284088	1.5358154	1.6409509	3,3976142
Cytochrome P450 2D18	1 2124425	1 1441336	00/10001/00	1 1 1 1 1 1 1 1 1	1 0407088	1.0404434	0.8053/02	0.5901841	0.98803407	1.032314	1.2451614	1.0375707	0.9836679
Cytochrome P450 2C11	0 9675527	1 0500408	0.04101900	1,1703013	000767000	1.20/03/4	4 4000000	0.0200303	0.7342/135	7,000180.0	0.6165528	0.6623228	1,2398086
Phase-1 RCT-290	1.0066966	1 1795152	1 0416597	1 3408804	4 2374047	+-	0 64060446	1.00112037	2000040	1.4003143	1.6093237	1,2374,338	1.3426787
Phase-1 RCT-59	860988	0.84630865	0.88276774	-	0.91951996	-	1 661481	1 4628000	1 0310508	4 404682	0.0840582	1.3146565	1 240222
Beta-actin, sequence 2	1.0380639	1.153502	+-		1.2241431	1.0241793	1.2891115	1 171828	17396603	0	0.3010302	0 0035400	1 6500360
Phase-1 RCT-292	1.055908	1.1430074	-	1.0522372	12349945	1.0557908	1 0213639	0 9972017	1 0739955		0 B5742384	4 0477000	1 00/2004
Pyruvate kinase, muscle	1.076931	0.9145396	1.2937896	1.1550775	_	0.95872927	1 5680916	1 535858		0 92871624		0 78403228	0.0342004
Osteoactivin	0.98021173	1.0788586	1.0058699	0.91347975	_	0.8827833	1,5318965	1.248942	1.356813	1.386012		1 2026281	1 3002251
Calgranulin B1	0.82576555	0.8609575	0.8807131	0.73919594	0.8506943	0.916015	1,3506508	1.4771662	1.1846884	1.1920458	1 1102041	1 0838871	1 4287083
Apolipoprotein All	0.7411756	0.6242764	0.6242764 0.64060175	0.72354996	0.5419063	0.6556432	0.8750536	1,7096019	1.3378301	2.128592	0.84434843	1 9483172	1 1647887
Connexin-32	1.3386581	1.2183751	1.143561	1.5812686	1.0479692	1.1475284	-	0.75494736	0.888741	1.08069	1 10506	0 99096088	0 0335403
Phase-1 RCT-109	0.88325614	0.9008338	0.8352156	0.71588737	0.8486533	0.90684984	1.4719336	1.3032619	1.3404197	1.4169472	1 2594873	1 277373	1 558861
Glycine methyltransferase	1.4983052	1.174554	1.0293223	1.069029	1.1482091	1.3459789	0.65622646	0.8427153	1 2389716	0.76206807	190	-	0.86698556
L-guono-gamma-lactone oxidase	1.0772554	0.8769326	0.9247631	1.0500332	0.8886879	1.1840539	0.43445292	0.42991316	1.1749939	1.5670599			1.7037354
Phase-1 RCT-256	1.0293045		0.883905	0.94275475	0.94587225		0.7682289	0.6954512	2.7465827	2.3357444	1.6200244	2.1715221	2.8577373
Carbonic annydrase III	1.3546895	0.5170497	0.80302876 0.73460263		0.68334975	1,3909794 (0.11068281	0.24825552	1.7106109	1.2297139	1.498101	0.63880247	0.819578
Phase-1 RCI-78	1.0162021		_	1.0323254	0.916931	1.030719	0.8899378	0.8642922	1.1896417	0.9948611	1.10499	1,2980974	1.1450413
Unitiary protein 2 precursor	0.8664148			0.6068249	0.8450211	0.8053493	0.6532091	0.67024255	1,6107311	20398743	1.1829787	2.0990407	1.9931873
insular-like growth factor	0.7571422		0.88943344	0.7112828	-	0.5261757	_	0.38898253	1.7029971	1.8362707	1.4235052	1.6269194	1.9537417
Ayr sulotransierase	0.817454	0.7726878	-	0.8216594	_	0.83908343	1,1055055	1.6767801	1.7262754	1.8119506.	1.984289	1.6103008	1.9144855
Coella	1.000033	1.0971196	_	0.87413025	1.0851889	1.0630719	0.686495	0.703906	0.9615034	0.82197418	1,2175869	1.0464997	0.8862767
Statution	1.27 13027	2000000	1,589044	1.1914866	1.3156139	_	0.8186942 0.92608774	0.92608774	0.969414	1.1017263	1.1627708	1.1596153	1.1228223
SOS abosomal partoin 1 &	0.9013327	0.83915945	1.0964112	1.0041112	1.0256897	-		0.91660684	0.6314703	0.855919	0.7748793	0.7425447	0.7586127
Calnactin I heavy chain	1 2440240	1.0072	1.0065357	0.7870476	0.98388475	4		1.2492582			1.285643	-+	1.1708345
Collagen type II	1 5540505	1.3497033	1.2/81343	1.0828649	1.0767751	1.3592842		0.97192764			_	-	0.96860164
Phase-1 RCT-179	0.8717321	-	-	0 80201975	0.0245838	1.1833004	0.8093249	0.8/40208	0.66461575	4 484 7758	_	0.39248413	0.5578515
Voltage-dependent anion charnel 2 (Vdac2)	0.9619931			0.8472527	1 0042217		1	1 1128183	1 2162002	1 2200884	4 2437774	16777965	1 101200
Phase-1 RCT-192	0.9708058	1.0793461	1.0315137	0.9512172	1.0530702	+	1.4109632	1.0575892	0.9100355	1 142486B	1 020897	10185030	1012000
Adenthe nucleotide transfocator 1	0.95846766	1.117301	0.9927541	0.8094848	1.0537848	┖	0.9232867	0.5935973	+	0.74029535	1=	0.69388384	0 7095989
Thymosin beta-10	_		0.7772115	0.7918813	0.7825609	Ļ.	1.0889648	1.0929667		1.4952633	_	1.2488116	1.0271078
High affinity IgE receptor gamma chain (FcERtoamma)	1.1929986	1.0814949	0.89774805	0.7705677	1.2024305	1.0949018 0.86151713	.86151713	0.84347	1.133739	0.9506681	1.1409091	0.9549483	1.0581539
Gamma-actin, cytoolasmic	1 0007320	0.8807873	0.0544604	4 4404027	1 0101705		, 202,406,4	000000	, 0,2,020				
Uncoupling protein 2			-	-	0.77020770	1.0002042	1.0077001	0.8362333	1.2/05/20	1,00/6146	1.112042	0.7284979	0.7987466
Phase-1 RCT-34				-	4 9040207	Ľ		4 2004 400	0.90600187	0.9007807		0.819/387	0.7520121
Phase-1 RCT-31	1.4193668	1 4379088	1 8228861	1 5934812	1 4210066	4 4456344	0.90030004	1.2301100	0.0904/1/	4 000000	0.9404633	0.9156/619	1.0322336
Cyclin D1	0.7222391	_	1	0.84317166		-	0 7147006	+	0.0182131	4 0002045	4 3570304	1.0138388	1.390002
lgE binding protein	0.9751086	-		0,85281867	_	ᅩ	_	_	1 2017420	1 42480455	4 2270533	4 0078487	4 2477040
Zinc finger protein	0.8737694	1.0536128	_	1.071541	1.023906	1	+-		0 8200995		_	0.75373788	0 857494
Phase-1 RCT-138	=	0.83069285	1.0644039	0.8235792	1.1097068	_	-	0.81162447	1.5551229		-	1 1647673	1 4845192
Alpha-tubulin	0.9727722	1.0027493	0.9614278	1.143198	0.965915		0.8888472	0.890706		0.93068415	-	0.72453018	T
Alpha-prothymosin	1.4826673	1.4080604	1.8258806	1.1246077	1.4742233	1,2131952 0	0.71758837	0.8772195	_	1,0076987	-	1,2102608	1.5774446
Calpain 2	0.9566407	1.1091263	1.0543278	0.9915702	1.0923312	1.0106864	1,0613303	0.95039105	1,2313174	1.0374169	1.2190478	0.9670508	1.0259094
Coffeenin D	1.1417536			-	1,2062598	-	0.81694734	0.8020723	0.9741783	0.8257312	0.8391931	0.8524395	0.8968348
Phase 1 PCT-24	0.97714025	6	_	_	0.96434885	_	1.2033004	1.0096905	2.183344	1,7183081	2.7044382	2.007732	1.5547558
Melanoma-associated antinen ME491	1.1496506	1.1355/3/	1.176115	1.3566163	1.1453048		0.9846496	1.0138435 0.68745804		0.7537618	0.7056772	_	0.6480965
וויניים ווייניים ביים היים היים היים ויים ויים ויים ויים ו	1.04/0135	1.1855/94	1.0946976 0.88207215	0.862072151	1.117912	1.0863479	1.0031643	0.987742	1,3265237	0.99178314	1.1685394 0.86970234	\perp	0.7901702

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Cyclin C	1.0733877	1.1247232	1.2160428	1.0274911	1.0299733	1.1829813	1.088592	1,1477123	1.0007375	0.8867373	0.9091954	0.9644307	1.0135814
Hypoxanthine-crianine phosphoritosyltransferase	1 0055505	Ι.	1,100//96	1.0827343	1.10502	1.1258192	2.2754116	2.1543946	1.026325	_	0.97052157	0.98722484	1,0233696
		C+1 C+7	26.00	0.8801968	1.0002884	1.1204/43	0.8111888	0.8401588	0.42798313	0.5440439	0.28999338	0.6990942	0.8591362
Tissue inhibitor of metalloproteinases-1	0.8872122	0.9620084	_	0.95244753	0.8972375	1.0510727	1,2522575	1.2632272	1,5861018	1.4962188	1.868433	1.4123386	1.3960263
	0.9514866	0.98549867	0.94769293	1.3488108	0.9597707	1.0517309	1.645062	1.7645521	0.6949503	0.8823071	0.8108867	+	0.83391434
Kibosomai protein 59	0.8403275	0.9612945	0.88739437	0.982283	1.0143889	1.0319083	1.1237956	1.0757594	1.0058303	0.93758	1.2659887	-	1.0527427
neme oxygenase	1.0112636	1.2160974	1.0824268	0.9250774	1.0467008	1.036567	1.3472687	1,3593642	1,5267172	1.0935316	1,35694	1.2488883	1.1877031
Ribosomal protein S17	4 4 456 700	1 40347605	1.0050572	0.7716033	1.0899737	0.9841782	1.286051	1.1354396	2.3672738	1.881327	1.9100357	1.6027735	2.0595481
Nucleoside diphosobate kinase beta isoform	1 0431680	1.1021212	1 2681082	1 0090707	1,19/36/2	0.99460083	1.1736933	1.2171795	1,5201687	1.3182693	1.7475862	1.3758495	1.2561698
Phase-1 RCT-121	0.91700464	0.856728	0 00030826	1.0030/8/	0.0243342	0.2002640	1.2546/09	1.1288644	1.2897784	1.1927335	_	1.0080771	1.2025845
14-3-3 zeta	1 0970657	4 0470724	0.00076402	4 4004607	0.00210030	0.7802049	1.0192433	Property.	0.48415/0/	0.7870929	_	0.61198986	0.604617
60S ribosomal protein LB (afternate clone 1)	0.9793016	1.0856812	1 0229915	0.8948374	1 0386748	1.0845398	4 2440024	1.1600542	0.5725071	0.73980784	0.6376297	0.735935	0.7811954
Beta-tubulin, class i	1.124271	12748728	1,312794	1.8600973	1 1472835	1 3523892	0 6888743	0.6277706	1 0524200	0.0049100	0.0470772	1.4650287	1.3823649
Organic cation transporter 3	0.90513295	0.98655874	2	0.79727036	0.0842768	0.84910434	1 3253003	1 2103050	4 063088	4 4049624	4 2040404	4 4474984	1.0013204
Beta-actin	0.9148535	0.80920464	0.9222284	1.1371609	0.942909	1.0125045	0.7888961	0.7767342	0.5900502	0.5154992	0.4382124	0.672638	0.6642112
Cathepsin S	1.0817992	0.95844114	1.1216512	0.85041636	1.193737	0.88143814	1.4111843	1.551224	1.8396395	1 4636822	1 5979567	1 2370715	1 4700041
Biliverdin reductase	1.2529286	1.5179645	1.5595368	1.343723	1.286358	1.445571	-	0.86146814	0.91268873	0.80953074	18	0.66814417	87020785
Phase-1 RCI-154	1.0598809	1.0488687		1.1020063	1,3082018	1.0872426	1.3080821	1,4243027	1,0017782	1.0443680	0.8677968	1.041192	1.0838377
Appoorly V	1.14246/3	0.9766903		0.86394527	0.97406805	1.1000922	1.7123023	1.4897474	2.0358284	1,50766	1.5779864	1.7012845	1.5405082
Complement forter (/CE)	1.1658885	1,0/38853	1.2149216	1.0365531	1.4713033	1.1040015	1.0785352	0.84505075	1.1032343	1.4242548	1.2257704	0.89394356	0.9338028
Dhaca, 1 DCT, 276	1.2/41333	1.1440202	1.13363	1.0448055	1.1989015	1.0670668	2.069194	1.6608943	1.4240215	1.1704276	2.1702724	1.3001428	0.85738343
Tyroshe aminotraneferace	1.000460	1.2185404	1.1364913	0.9403848		1.0702893	0.79930884	0.8197484	1,0781626	0.92565614	1,455947	1.0867634	1.0284061
Gkrathione peruvidase	0.096477	0.9696792	φ ,	0.785/2/4	0.93031245	0.70278066	0.49830902	0.61896175	2.0203652	4,235313	1.3775085	1.3021333	2.0272079
Histidine-rich alwoondein	4 560403B	0.0588403	-+-	75127600	1.2358407		0.63249934	0.57745975	1.6184528	1.9474727	1.7857726	1.6689192	1.783049
Carbonic annydrase III sequence 2	1 5493838	0.9360463	-1=	0.903/03/	0.8971838	0.75035545	0.78791344	0.7718758	1.0912781	1.5964985	1.4553174	1.6188726	1.5836941
Phase-1 RCT-92	1.5269297	0.98340225	1 256964	0.8603336	_	0.78225613	0.7351059	0.72235994	4 0770463	1.3635281	1.24108	1.4481087	1.6580167
Transitional endoplasmic reticulum ATPase	0.97989076	1.026688	0.94722974	1.2303447		1.1689459	0 90474766	0 737032	3 8	0.75440686	0.363 4370	0 7020454	1.3034412
Phase-1 RCT-88	1.5297104	0.9582988	1.2100308	1.0140461	698	-	2	0.86518013	1.0655032	1 4037435	1 3634124		1 3574847
Phase-1 RCT-296	1.1726959	0.9323948	1.2252274	0.9416161		_		0,25747654	1.7138238	1.9430762	2 0235035	1 5410904	1 1855837
Phase-1 RCT-161	1.097522	0.8432495	0.98973566	0.986538	0.98570085	-	0.88949585	1.0501125	0.91763868	298	0.80484855	0.7081729	85300696
Giuramone S-transferase theta-1	0.88698184	0.88145983	0.9199781	0.7964496	-	1.0449287	0.7926948	0.6492104	0.6840228	0.9194123	0.8708334	0.9295537	1.0754044
Phase 1 DCT 482	1.0680982	1.12/5443	-+	1.0651596	-	-	1.0657907	1.151922	1.2298791	1,5871009	1.2371036	1.1829371	1.5599313
INK1 ctrees ordinated contain binase	1.1500924	1.0319716	-	0.83753306	-	_	0.84818524	0.8555263	1.0568466	1.0687802	1.2435873	1.0851692	0.69940716
Phase 1 RCT-81	4 2540025	4 2244064	0.7580049	0.813864		0.85403085	1.1475723	1.4773842	1.2849729	1.3372654	1.5757575	1.3753843	1.5681849
Phase-1 RCT-33	0 RR52084	0 8880244	300008369	1.026234	1.16/2418	1.0734495	1.0200853	0.9719168	0.9474717	0.9932416	1.4390533	1.1517357 (0.76625283
Phase-1 RCT-178	1,170049	0.7816843	0.90418607	1 3111442	-	_	0.70066267	0.07/8402/	1.9505188	-	1.4192469	20970068	2.9340434
Apolipoprotein Cili	1.119457	1.0560069	0.9743004	1.0380588	0.9392062	1 0380639	0.82039404	0.8392818	0.0730137	0.03331036	712020200	1,000,000	0.93011/4
Phase-1 RCT-88	1.1650281	1.419097	1,2916908	1.1576043	1.1471956	-	0.73110783	15	18	0.9837602	1.1143131	1 0453062	0 9660816
NADH-cytochrome b5 reductase	1.1265896	1.2660639	ᆏ	1.248196	1.2658582	1.0907289	0.7027932	0.5593143	0.8439543	1.0129685	1.0599461	1.0772288	1.0295224
April 1 - mratior III	1.4880443	0.93272936	_	0.81011105	1.0795992	0.8104477	0.29448733	0.27552816	1.1705521	1.5522342	1,5027827	1.3872284	1.0048092
Paranmose 1	1.1854367	1.2333016	1.1610808	0.83075845	1.012438	_	0.6545606	0.8999533	1.1425129		0.62004095	1.3215483	1.243921
Presentin-1	1 4842103	0.7933400	. 	0.64/69/1	4 4203339	0.654363	0.56206524	0.5864776	1.1449146	1.1623805	2.056179	1.064868	0.79299178
Apolipoprotein C1	1 2234246	1 0754135	-	0 784933R	4 1778028	4 4045848	0.20300330	8 2	1.1/05184	1.6/32337	1.8200772	1.4585278	1.0271828
Cytochrome P450 2C23	1.0560472	1.0919918	+-	0.98135024	1 0983789	0 8845699	0.0000000	_	1 1111005	1.02718855	1,4266938	1.2261835	1.196/651
Phase-I RCT-227	1.0614043	1.1983253	10	· 100	0.89583254	0.9708971	0 888321	0.1303	1 2014402	0 88 98 28 4	1 2844088	1.010101	1.202301
Hepatic lipase	0.8384679	0.9064035	0.9022867	-	1.0266674	0.8890099	0.3565283	0.3424643	0 8 1874805	1 5052007	0.7400475	1 227505	0.5000307
Phase-1 RCT-164	0.9787451	0.9365926	0.90229625	1.0012428	0.941135	0.87127084	0.7667261	0.8091663	0.70827734	0.7169674	0.6348221	1 0402565	0.8010564
Mutudrug resistant protein-2	1.0686144	1.0266072	1.0464841	\rightarrow	_	1.1124306	3,0060558	3.1137574	1.1277463	1.2429858	1.3760002	1.0429567	1.0760014
N hydroxy 2 profit family 6.	0.6983735	0.6395076	0.6711259	-		0.55951434	7	0.51211244	2.3924198	1.6943586	1.2290379	1.7878571	2.9814765
(STIC1)	0.8941402	1.0240856	0.8254803	0.7345083	0.8939316	0.9061073	0.4686131	0.6107768	1.4302275	1.0069444	1.5106229	1.0899092	1.1319861
Dynamin-1 (D100)	1.0184603	0.9598382	0.94389325	0.843387	0.90725213	0.8653567	0.8493086	1 062881	1 9973686	1 0350585	4 5202356	4 8504 950	NACES A A
DNA polymerase beta	0.7899796	0.9426255	0.99285215	-			0.85123587		0.92059374	1.1	0.9206158		0.95557296

Phase-1 RCT-173	0.812565	0.9279547	0.9297075	1.0392314	0.93812954	1.0144306	0.9463901	0.8621078	0.820755	0.6461554	0.51802236	0.6137975	0,8823458
Ubiquitin conjugating enzyme (RAD 6 homologue)	0.9149979	1.0528028	0.97471154	0.81591195	1.0105104	0.98143526	0.99708074	0.9748122	0.9618935	1.017154	1.317445	1.0642821	1.075513
Ribosomal protein L13A	0.86126775	0.7850265	0.83181685	0.8292339	-	0.84005255	1.4647999	1.4037677	1.6627603	1.8797423	1,5175807	1.6738642	2,0729485
Phase-1 RCT-144	1.1515938	1,1044135	1.1868571	1.0418373	1.149675	1.0478411	0.97305197	0.9888064	0.876556	0.89493185	0.83413345	0.9012885	0.78111875
C-H-ras	1.0391188	0.964245	1.0505742	1.075163	1.0134937	1.0122149	1.6854476	1.427371	1,3908789	0.9136885	1.0487771	0.8514824	1.0855764
Vesicular monoamine transporter (VMAT)	0.9636277	0.8787711	1.0276828	0.8555585	1.0265312	1.0115812	0.8510533		_			0.7420634	0.8117371
Phase-1 RCI-2/3	0.6601205	0.80162575	0.73497546	1.1840291	1,0059872	0.9824924	0.8273629		-	_	_	0.75388473	0.9084107
Phase-1 RCT-230	1 0124781	1 13033	0.78082685	1.0705596	0.99856266	4 203583	4 0454383	1,8206348	0.813264	0.69394946	0.8484849	0.7285343	0.76856196
Phase-1 RCT-80	0.82581186	0.8109018	0.83215225		0.9956372	0.8724003	0.8479522		0.8192468	0.6536173	_	0.68120563	0 7986215
Phase-1 RCT-158	0.9078247	0.91620517	0.9293157	1,2293118	0.91344017	0.96175677	1.13313	0.98330144	0.6019559	0.74704707	_	0,71764463	0,6097463
Deoxycytidine kinase	1.0265979	0.97485244	1.0788254	1.3750744	1.0537941	1.0163734	1.1750084		0.72919375	0.71336967	0.8093024	1.0876343	0.979941
Inositol polyphosphate multikinase (Ipmk)0	0.84430075	0.85078025	0.75140023	0.9863078	0.9641823	0.9150471	0.7536441		0.877345	_		0.71855164	0.8969128
Neuronal cell adhesion molecule (NrCAM)	1.478389	1,2081728	1.1497644	1.4867547	1.203541	1.2138758	0.9396905	2,3693337	0.71748555	0.6091507	0.729078	0.5863548	0.7118167
Hepatocyte growth factor receptor	1.0169226	0.9820895	1.1797844	1.317914	0.9891553	0.8449298	1.6442393	1.416539	0.87500256	0.867773	0.85950416	0.7066474	0.89773554
Етру	0.9447047	1.041947	1.0894853	1.0572693	1.1758505	0.9758439	0.8875933		0.53913724	0.6185738	1	_	0.5879314
Dopamine receptor D2	0.985953	1.1006482	0.9087109	0.9671862	1.035577	1.0088634	0.7294627	0.745029	_	0.9918783	_		0.87728107
Phase-1 RCI-51	0.9231809	0.91589594	0.9252719	1.0999476	0.81705143	0.8735077	1.0228119	1,3695761	_	0.84970254	0.945912	-+	0.84649444
Four repeat ton channel	0.8660751	0.8624242	0.904108	0.80141497	1.0384849	0.8503352	1.1464494	0.97274745	1.2138072	1.002594	1.0294574	_	1.184436
Country	0.0026300	0.0000000	0.90905184	1.003000		0.032007	191805480	_	0.3/46221		0.7223807	_	0.03062474
Disco 4 DCT 430	0.88733023	0.97433305	0.847236	0.88471277		0.96037685	1.052307	_	0.91076535		0.83024055	-	0.85654074
Phase-1 RCT-94	0.9017030	1 0854278	1 1909082	1 1891288	1 2819081 0.88430645	0.98430545	1 0807533	1.3240916	0.86/4643	0.0242854	0.656134 0.7917526 0.74140555 0.0212854 0.88075614 0.77762157	0.74140555	0.859666
Sarcoplasmic retleutum calcium ATPase	1.1271882	1.0930753	0.9266712	1 1268259	0.9933144	1 1671538	1 0568709	2 0725005	0.9109198	0.81980528	0.85765773	-	0 89881398
Phase-1 RCT-79	0.8866012	0.9168765	0.7685558	1.0179676		0.99801326	0.8782598		0.91387403			_	0.84790623
Phase-1 RCT-252	0.8519644	0.81915843	0.8510848	0.775399		0.8922531	0.7960288	_	1.6024468	1,6086584	1.1011045	1.4068927	1,8115449
Phase-1 RCT-151	1.0004857	1.0787218	0.98844993	1,2766141	1.1226693	1.1149687	1,3220567	0.91918695	0.9185023	0.9056967	0.8785995	1,0150112	1.0539148
Phase-1 RCT-70	1.0440938	1.1494768	0.8933721	1.1789818	0.8397625	1.243032	1.147418	0.855763	0.9716913	1.0942417	0.9540289 0.91418433	0.91418433	0.9373773
Phase-1 RCT-150	1.0703744	1,2583311	1.5231162	1.6118698	1,5261153	1.0405053	1,2407305		0.49469134	0.63956374	0.5948903	_	0.87922704
25-hydroxyvitamin D3-1 alpha-hydroxylase	1.020128	1.1042868		1.3176119	0.87801325	0.88455826	0.9889036	1.0113178	0.5602355	0.74672618	0.6460481	0.5817499	0.54076916
Prizze-1 RCI-119	0.868/1/5	0.776415		0.8590825	0.9279497	0.93149066	0.7918175	1.2176012	1.5126984	1.3630714	1.0648053	1.2344296	1.4027988
Dhasa 4 DCT 446	0.8993217	1,06/6134	1 000000	1.49435/2	1.004707	1.425779	1,2512703	1.1269363	0.75543505	0.8035192	0.36861834	0.7045/92	1.1355567
Sunemyde diemytase Mo	0.0778915	0.07575503	0.05/8/20	0.0740254	0 84201035	1.0031977	1.0407050	4 2004368	1 8701001	1 6819743	4 5050567	4 65606979	1000000
Phase-1 RCT-115	1 20339	1 2358374	1.0939741	1 4701982	1 0248107	1 0817414	13072075	1 5801991	0.50961125	15	0.45276597	0 47814938	0.6829703
Alpha-1 microglobulin/bikunin precursor (Ambp)	1.2695646	1.2126223	1.3009173	0.923935	1.1542581	1,0588146	1.0351863		0.8772971	-	+	1.1606231	0.7863564
												_	
Phase-1 RCT-18	1.0314785	1.1017404	0.99665123	0.9447369	1,0269946	0.9871405	0.7785218	0.78315824	1,0337275	0.83647704	0.91987765	_	0.98666203
Doods	70/89890	0.604/002	0.8758277	4 2540070	1.045/643	4.0049476	2862910.1	1.7607828	0.7104623	0.61517036	-		0.7975886
Retiroid X moentor aloba	0.8377782	1 1552744	1 1334650	1 0007070	0.00020213	1 0020752	1 3400824	00271200	0.3703078	0.70033003	0.8300020	0.7020014	0.00000000
Cellular nucleic acid binding protein (CNBP)	0.80777884	0.8427996	0.85275644	0.59494686	0.7760497	0.85422605	0.9354798		1 7684739	1 4123772	1 1067669		1.5826606
NADPH cytochrome P450 oxidoreductase	1.4075465	1.4865165	1.4537616	2 2285554	1,3159152	1.4959964	1.5556021	-	0.97319204	1.0235246	1.0499107	0.974135	1.0871981
Malic enzyme	0.81607443	0.8692096	0.96432525	0.9119914	0.90050346	1.146344	0.5257639		0.9094252	1.0639609		0.7415479	1.1433399
Caspase 1	0.9468636	0.93753326	0.8897301	1.1882844	0.82624173	0.8357408	0.99663174		0.53580785	0.7228945	0.6333334	0.84215225	0.605841
Cystatin C	0.9974733	0.94129753	1.0690917	0.96055424	1.0492852	0.9627404	0.72416276	0.8517085	1.7253051	1.916018	1.5475	1.6805317	1.6770654
p55CDC	1.3405198	0.95771515	1.0946665	1.0658807	0.9900763	0.8692483	2.4564807	6.693563	_	0.7952437		0.5657392	0.5866197
r-diy(AUF-nbose) polymerase	1.0385504	1.2084321	1.0491456	1.0385563	1.0784954	1.1956449	0.8588876	0.76314473		0.92913675		0.85924345	1.0418109
Multidum resistant protein.1	1 558921818	1 4011728	1.156615	1 5350457	4 242027	1 8338164	7 00 8 8 3 0	2 4482075	1.1/50/6/	4.0372028	1.0916919	1.0143508	1.1218393
Phase 1 RCT-207	0076900	0.0584440	76357000	4 2089082	0 0404448	1.0000104	4 0504843	_	0.63776073	2010010	_	0.00.000.00	0 7870409
Phase-1 RCT-181	1 7789565	1 0353284	1 1638631	1 038162	1 139155	0.3002301	1 115879		4 0030867	1 1000810	-	+	0 74295604
Gap junction membrane channel protein beta 1	1,0182687	1.0899754	0.91009736	2.0220501	0.82578917	1.1605505	1.4808717	0.8345137	0.9122487	-	0.96975857	┷	1.0599294
(Glb1)	10001	1,400,000									_	_	
Musliphasic system	0.69651695	1.1353222	0.8500883	1.1/51/45	1.033078	1.0503076	0.87069863	0.9364509	0.8768141	=+	_	-4-	0.88766705
Colomedia B2	0.705174	0.0124343	0.73633100	1,0004000	-	0.7620327	1,0000	0.8/9433/	0.9795903	10/01/01	0.931436	1.034205	1,304501
Carlianumii Do	0.098330174	0.8304080	0.0091222	1,2234800	0.90846731	0.65/5/585	1.1630984	0.863935	0.6553537	0.783838	0.69185671	0.77049191	0.9132/03

Phase-1 RCT-156	1.0077113	1.0591598	1.1224232	0.9760208	1.1129731	0.99504626	1.0077113 1.0591596 1.1224232 0.9760208 1.1129731 0.99504626 0.84839406 0.8127188 0.95245844 0.9267878	0.8127168	0.95245844	0.9267878	1.0501037	1.0501037 0.94409126 0.95876247	0.95876247
Professome activator 28 atoha	0.97322047	1.0787289	0.96551454	0.93365943	1.0867007	1.1784227	1.0787289 0.96551454 0.93365943 1.0867007 1.1784227 0.86745457 0.90040344 0.94534093	0.90040344	0.84534093	0.7969485	1.1470321	0.7969485 1.1470321 0.84517556 0.69873108	0.69873106
(1) Gene expression data for 72 hour timepoint													
are presented as mean rate of treatment/control for all 72 hour predictive genes (Table 23).													
(2) Compound and dose abbreviations as in													
Table 1.				1									
(4) Liver inflammation dassification for compound													
dose group at 72 hr. yes-necr, necrosis observed;													
no, no histopathology observed									_				
(5) Predictive gene (as in Table 23 and as included in Table 28)													

Table 30. Expression Data for 72 Hour Timepoint (1)													
Compound-Dose (2)	CDV 40	- Control	П	П	П	П							
Animal Number (3)	ERT 40	ESI 0.1			_		EST 0.4	ETH 2500	ETH 2500	ETH 2500	GAN 200	GAN 200	GAN 200
Liver Toxicity Inflammation Classification (4)	243	142/	1428	1429	1437	1438	1439	137	138	139	2457	2458	2459
Gene Name (5)	2		2	2	2	و	2	8	2	9	20		5
Phase-1 RCT-107	0.7827825	0.7569441	0.9090909	1 1717374	0.00546036	+ 00003744	0.000	,,,,,,,,		\perp	_		
Betaine homocysteine methyttransferase (BHMT)	2,1532602	0.8192176	1,3127484	1.0847023	1 1857777	0 8484575	1 0102076	1.0041511	0.91653836	┸		1.0781231	1.0298804
Holiterating cell nuclear antigen gene	1,0484169	1.1090945	1.038547	0.72538435	0.7989413	_	0.86805358	1 5001100	4 0007848	⊥	_	1.2089865	1.5656614
Cytochiome P450 2018	0.69853808	1.0085328	1.0400596	0.99244547	0.879772	_	-	0 73085743	0.67007384	0.87449609	0.72018904	0.7894818	0.76925194
Phase 4 PCT.200	1.4160886	0.86925846	0.9180624		0.82796454			1.6300285	1.1963612	_	1 0736922	0.095/320	0.8254151
Phase-1 PCT 40	1.6826447	0.74434006	1.1756842	1.0180892	0.96184045	0.80154294 0.77554464	0.77554464	1.0213488	0.6882615	1.1433301	1 4524025	1 1000073	4 3068878
Retactio compace 2	1.253829	1.0278926	0.96710527	1.1632587	1.2538404	1.3548173	12152597	0.86057633	1.0686512	10	0.8461795	0.9089748	0.000000
Phase-1 RCT-292	0.78325105	1.1995757		1.1309184	1.0737472	1.0886105	1.1584051	0.8457063	1.0165979	_	0.9105901	1 1085737	0.8784822
Pyruvate kinase, muscle	CR18120.1		_	_		1.0524098	1.1727129	1.0376415	1.0548565	0.9964079	1.2079695	1.1585839	1 1014278
Osteoactivin	+ 500000		0.84233403		-		0.64158815	1.0030035	0.9795365	1,1098646	0.998206	0.96539783	1 009956
Calorarulin B1	4 0470404	1.302886	1.0782775	1.2190565	1.3259518	1.1174128	_	0.80046004	0.9867295	0.8660413	1.0067947	1.0937978	1 025009
Apolipoprotein All	0 8 48 78 TO	4 2570844	0.8534144	0.8583181	1.2349023	1.1421413	1.4086732	1.0357364	0.94508797	1.1327726	1.1910812	1.0219636	1.1284256
Comexin-32	4 4 4 4 0 0 0 0	1.63/0014	1.9218968		1.0243795	1.4723485	-	0.90861905	0.73608977	1.2430545	1.2097143	1.075308	1.0434442
Phase-1 RCT-109	4 5407470	4 5474740	1.2304188	_	0.92488366	1.2182605	1.3490124	0.9809534	0.671289	0.6580513	1.0496368	1.186054	1.0377997
Giveine methytraneferace	7/1/0161	1.34/4/13	1.3319837	-	1.4821068	1.2939512	1.3680053	0.9210037	1.3111602	0.92849934	1.1411185	1034442	1 0784173
L-dilpro-damma-lambre oxidase	4.4057544	0.823236	1.3130367	-	0.96822304	1.1531949	1.1786005	0.96399355	0.8484772	1.5014504	1.5420008	1.8283125	1 7007111
Phase 1 RCT. 258	1.485/541	0.9027967	1.2708406	1.2433152	1,0161808	1.0934557	1.4148024	0.99173504	0.77203053	0.80044436	1 4894178	1 27776887	1 3357044
Carbonic anthydrase III	2,3681433		1.3933861	1.3220552	1.1600229	1.1931341	1.3197829	0.97920865	1.1011399	0.7854795	1 2543029	1 1538794	1 1062442
Phase-1 RCT-78	1.13/5663		0.84963827	1.7928071	0.6477901	1.7187983	0.9549454	•	0.24487458	0.5827136	0.8116531	٠.	0.83227605
Urinary omtein 2 greenwar	2494038	1.0022836	1.0385377	1.1237543	1.0074555	1.0235473	1,0491165	0.9764101	0.8928808	0.9787365	1 0730981	_	10130860
Insulindike amough factor 1	2.0/42/5	1.3770641	1.3011901	1.3365568	1.5292716	1.4290957	1.3852538	0.8644434	0.81351066	0.80311954	1.1604108	1 0866631	O SESSEES
AM sufotransfarase	2.182228	1.0343982	1.513679	1.3080506	1.2386265	1.2277861	1.5732994	0.8894011	0.8043357	0.61334074	1.0696242	1 0900186	0.0824040
Phase-1 RCT-185	121651671	1.3563675	1.2045527	1.1863597	1.4425386	1.1950152	1.288109	1.2255448		1 228427	1.1224729	1.0487607	1 1416617
Coffin	4 0074475	1.3889351	1.4777421	1.2064097	1,4858693	1.3371185	1.2317972	0.9434671	0.86112523	0.99075174	1.1129396	1,1224586	107839581
Stathmin	0 7041455	1.0003347	1.4116416	1.3882216	_	-	1.5273058	0.84662	1.080122	0.8404279	1,01354		0.90938956
60S ribosomal protein L8	0.7660652	4 3805500	0.0000000	0.7248855	_	_			0.98863846	1,2155915	0.97016096		0.9157791
Calpactin I heavy chain	0 828357		0.090000	1.185912	1.1907148	4		_	0.9039219	0.94447637	1.0798446	1.3120664	1.2498583
Collagen type II	0.57524014	0.957,5900	4.000304	2018/13	1.1343472	_	1.0913098	-	0.99796313	1.0141376	1.120906	1.0281618	0.855568
Phase-1 RCT-179	0.6853576	1 2012448	1 0557824	4 4 3 2 6 6 6 6	0.7639762		0.81716007	_	2.292945		0.86903167	0.8927872	0.87415415
Voltage-dependent anion channel 2 (Vdac2)	1,2289724	1 2704895	1 1302405		1070400	4	1.1209916	-	0.94151324	0.87058616	0.9908796	0.98737365	0.9926973
Phase-1 RCT-192	1.0090277	1.3901187	1 0070938	4 247026	4 54 7770	4 2740000	0.9489988	1.0628881	1.0915786		1,3096403	1.1887378	1.1926786
Adenine nucleotide transfocator 1	0.5970422	1.0655949	1 146138	1 240BB	0 5040444	20000	00000	0.65566/28	1.008868		0.93385478	1.0119838	1.008504
Thymosin beta-10	1.1870034	1.6849355	1.5198892	1 2637242	1 5081204	4 4760577	1.04/212	0.85//268	1.0543376	0.8578113	0.8342212	0.9128272	0.7878216
High affinity lgE receptor gamma chain	1.0802021	1,3028888	1.1144354	0.9924608	1 5275749	1	2005000	1.14 10407		-	0.9392046	-	0.9668596
(FCERigamma)								C7 /81 C08'D	20911.1	0.83758404	0.87459236	0.9445157 (0.95028293
asmic	0.9145621	1.1267369	1,1161395	0.7870647	1.1789495	0.9908025	1.1409789	0.8717728	0.8455072	0.8455072 0.85280085	0.0520774	, 0000	00000000
Dhoe 1 Der 24	0.81102175	12120478	_	0.94610983	0.80451477	0.81554415 0	1	12184545	1.1095014		0.63176125		0.01910396
Phoen 1 DCT 34	1.0051239	0.9163097	_	0.7235519	0.8821172	0.8044081 0	0.72029364	-	_		4 1827878	1	4440404
Cudio Da	1.1483824	1.2291784	_	1.1078528	0.7467911	1,1580005 0	1	1.		0 8397351	1 4640835	_	1.1449401
יייין אייין אייין אייין איין איי	1.4269822	1.0821905	1.1401958	1.5442654	1.7053354		1	-	O RESTRABA	1 2800074 0 74442574	7446000		1,4230397
		1.1817582	0.9267734 0	0.79529476	1	٠.	0.8635204		1 0244802	0 8380978	1 2077077	۲.	0.73305535
Phase 1 PCT 128		0.91909987	Ц		0,60149163			0.81310207	+-		0.02887800	0 0742242 0	9//90777000
Alcha-thibdin	1,3328382	1.1232793	_	1.0458016	1.1775315	1,0193714	1,1157991	0.8926767	1		1 2178202	1	4 000 3467
Alpha-omthonosin	0.7313014	1.0797734		1.0823735	1.000373	1.1894689	0.8342411	0.9572169		_	0 775789	ľ	A 75173984
Calnain 2	1.1910688	4	4	1.1462865	_		1.1313958 0	0.72938526 (-	0.97235817	4-	0.8850322
CT-49	1.0050182	4	4	0.9058917	1.0353834	0.8022061 0.	0.77195483	1.0870981	_		1 0840572	L	1012110
	4 8220074	0.7299666	-+	_	-4	0.8241765	0.8252894	0.8679741	-	0.88339216		Ļ	0.9041677
Phase-1 RCT-24	0.6620824	1.4004478	1.65/0256	1.1180362		4	_	1.062121	-	_	0.95900995	╄	1.0158542
Melanoma-associated antigen ME491	1.1067545	1.029849	y e	0.831/624 1 7800828E	۲.	4	긔	0.93247974	1.1245649	0.9832559	0.9328807	0.9608183	0.824885
	11122121	_1	0.00040401	0.78096285	1,2236555	1.0477746	1.1466814	1.1458356	1.0684133	1.1439472	0.9578408	0.97435235	0.8483532

Phase-1 RCT-68	0.9458378	0.8880238	0.8516746	0.8755123	0.9903824	0.9617082	1.0382708	0.9321627	0.9293349	0.8784613	0.9426987	0.9281483	0.9915881
Cyclin G	0.96829706	0.8567171	0.8449502	0.76641625	0.73667556	0.6829087	0.6007189	1.4203159	0.9770284	1,3900068	0.95713484	1.0434299	0.97293144
Hypoxanthine-guanine phosphoribosyltransferase	0.39909977	0.9881675	1.1233082	1.0029898	0.8737112	0.88747364	0.944659	0.93595564	1.1704164	0.6971071			0.90077144
Tissue inhibitor of metalloproteinases-1	1.5001429	1,2321726	1.0629011	0.9754052	0.82924217	0.80567884	0.9877186	1.5298103	1.1764287	1.76565	0.9185304	0.9316917	0.97741973
D-1	0.65814453	0.9480329	0.9408498	0.8681462	0.6975947	-	0.75100625	1.0286	0.9769499	-	0.86646813	_	0.8579732
Ribosomal protein S9	1.0238551	1,6698213	1.233773	1,0630969	1,2335374	1.6967162	1.3010687	1.052258	1.0877943	1.056663	0.8455143	0.90137196	0.87131125
Heme oxygenase	2.2281592	0.69736856	0.9226379	0.7479414	0.8862444	0.8458195	0.4089931	1.0996978	1.1265072	1.2650583	1270328	1.0740331	1,219715
Ribosoma protein 58	2.0284984	1,7117964	1.5111094	1.3435903	1.5718602	1.445578	-	0.83654964	0.9083278	0.88161874	1.4656074	1.3369387	1.2824403
Michaelde dintoentate kinese hete leoform	1.4031887	1.0019930	1.4334090	1.26/139/	1,5355878	1.3400/29	1.3259101	4 0071206	1.0553744	1	1.4560019	1.2188142	2211833
Phase-1 RCT-121	0.5377492	0.85279673	0.8368421	0.8285904	0.6994574	-+-	0 74904287	0.87009054	0.9692938	0.76502025	0.8713313	0.8968859	0.8743404
14-3-3 zeta	0.61781748	0.70120746	0.8241465	0.774097		-				1 3249217		0.96507674	94635713
60S ribosomal protein L6 (alternate clone 1)	1.3384824	1.3337609	1.2111925	1.1840348			0.9788765	٠.	1.0898438	0.9755232	+-	1.2537519	1,2266049
Beta-tubulin, class i	0.8198057	0.8588983	0.9814347	0.8096638	0.9723935	0.8673154	-	0.83611166	0.9580033	0.8445971	1.3251086	1.1295447	1.0764915
Organic cation transporter 3	0.7956198	1.4627944	0.99827826	1.3235891		0.71216255	0.8043568	0.94174194	٠.	960957560	0.937331	1.0394182	1.0147967
Beta-actin	0.4876743	0.85527474	0.867344	0.6148359	0.5694947	0.611462	0.81091166	0.7843312	0.83759737	0.6349749	0.7209308	0.91003454	0.68423194
Cathepsin S	1.9400831	1.547967	1.2923077	1.1532674	1.3343829	1.0128534	1.4510384	1,31053	1,3005396	1.358894	0.9359313	0.99133927	0.8984011
Biliverdin reductase	0.7821151	1 2259324	0.9709348	0.8318418	0.7742173	0.81204784	0.81433195	1.2445357	1.0698495	1.8752804	0.8642948	0.8767032	0.86766565
Phase-1 RCT-154	0.89297205	1.0425779	0.9197751	0.9425587	0.83195186	0.8871394	0.7487509	1.0680965	1.0321099	12174611	1.0108484	1.0258462	1.0248507
Phase-1 RCT-293	1.5333056	1,2358888	1,3467244	1.1907624	1.1550003	1.0603774	1.1440916	0.90008134	1.1846547	1.0231245	0.9935391	1.0135531	0.94693744
Annexin V	1.1057111	1.0582187	1.036291	1.0852834	0.7133434	0.79383063	0.9342983	1.3065382	1.0256557	1.2780578	1.0088098	1.2371365	1.0555313
Complement factor I (CFI)	1.3931801	1.5479343	1.5933722	1.5200914	1.2247812	1.3291827	1.4897048	0.94697326	1,2516158	1.062841	1.7705014	1.4460529	1.4803673
Phase-1 RCT-276	1.1812967	1,5104955	1.4916679	1.4362835	1,6052054	1.4226991	1.3779702	0.8841541		0.94693476	1.1024446	1.0402639	1.0328937
Tyrosine aminotransferase	3.0495877	0.9810102	1.0725924	1.3230432	1.3645619	1.2590626	_	0.09907035	1.2961789	0.90464115	1.1306385	1.1623887	1.0795497
Glutatrione peroxidase	1.5506345	1.5140142	E I	1.6371999	2.1070135	1.7919245			1.000263	0.7816583	1.4474722	1.2722249	1.186291
Corporate description (III control of	1.2975485	1.4963002	1.8453025	0.88752975	1.2948605	1.2870792	_	-	0.83244807	0.6678947	1.419287	1.0582165	1.2308201
Disso, 1 DCT 02	1,1595/83	1.4559948		0.87986245	1.3578987	1.2699913			0.87680227	0,63956463	-	0.9819387	1.1155457
Transitional endonlasmic retinedim ATPass	0 78044B	1,000,000	1 0082507	1.01401	1,3040243	1.3033190	1.2033003	_	0.92339253	0.7240213	-	//B000000	1.0528975
Phase-1 RCT-88	1 2071850	1 3413856	ŠÉ	0.0313030	4 2244278	1.131/200	_	0.81304334	1.0311661	0.2160/46	4 0745009	0.8208248	4 0705244
Phase-1 RCT-296	1 5203586	0.98110324	1 5702956	1 2300481	1 2475748	1 160845		+:-	1 1454816	1 3234136	1 2044877	1 3806118	1 2714072
Phase-1 RCT-161	0.8708163	0.723827	0.6509017	0.9447104	0.87157758	1 0601778	+	0 9286508	2	0.96114236	0.8977481	1 1464821	0 7587050
Glutathione S-transferase theta-1	0.89759415	1.4352432	1.2442105	+-	0.85387474	1.44454	_	0.93352795	٠.,	1.0250423	0.8688383	0.9016296	1.0151753
Phase-1 RCT-168	1.4879311	1.127907	1.2960281	1.378234	1.3066133	1,1139244	1.1290573	0.9733628	1.1207205	0.8525183	0.9406984	1.0964679	0.9064215
Phase-1 RCT-182	0.9368007	1.121218	1.432172	1.1948475	1.166626	1.0325766	1.0218956	0.91018945	0.9598831	0.89796966	1.0234787	1.0593303	1.0154599
JNK1 stress activated protein kinase	1.7443573	1.3314325	1.0695219	1.0335959	0.89375234	0.7203483	0.69468373	1.3208303	1.0360928	1.5768787	1,0565066	1.0244865	1.0505708
Phase-1 RCT-81	1.0327783	1.3133014	1.266943	1.4841641	1.6579449	1.5810478	~	0.85800457	1.0320483	-	0.95905817	0.9500609	0.9582344
Prase-1 RCI-33	1.6580931	1.0410335	1.158662			1.0543674	1.238927	-+	1.2629282	_	1.2061621	1.2502358	1.0314053
Applicantols Oli	0.37.347.30	0.00033864	0.0022049	-+-	اام	0.93421644	1.023/062	1.0895382	0.98646176	-	0.80986077	0.7465234	0.7931226
Phase 1 PCT 08	1.0040470	0.000000	1.074955	1.4731585	1.527///	1.6408852	0.9794055	1.216628	1.1913362	1.0989498	_	1.060376	1.0749013
NADH-cytochrome h5 rechretase	1 1069	1 3204758	1 2356302	1 1803305	1 3204047	4 4775044	4 4797654	1.0059231	o le	0.89702445	4 20077222	4 2234474	4 4002042
Alpha 1 - inhibitor III	1.255818	1.1574228	1.7188807	1.3436126	1 2369386	0.7515298	1 6936879	0.9509698	0.8984833	0.6985818	1 1030043	1 278812	0 889598
Phase-1 RCT-233	1.2458731	1.1349186	1.155655	1.087375	1.2712289	1.2690239	1,3304598	0.8762216	:=	0.92589915	1.1836177	1.1706777	1.2119229
Paraoxonase 1	1.3002454	1,3656	1,4984944	1.3507122	1.4845159	1.4584432	1.4298072	1.0724077		0.9693084	1.102828	1.1463968	1.0958572
Presentlin-1	1.3516293	1.2753799	1.8967334	1.3879656	1.2914281	0.8188112	6	0.95313895	0.9261433	0.70136464	1.1786919	1.476416	1.2477536
Apolipoprotein C1	1.1390938	1,6569026	1.2985986	1.4390774	1.9080673	1.6495572	1.542801	0.89575833	1.0448488	0.836301	1,1133919	1.2644612	0.9400049
Cytochrome P450 2C23	1.0541415	1.3326943	1.7531288	1.4081683	1.3464501	1.5638318			0.8823921	0.8580837	1.2402129	1.0951457	1.2865385
Hase-1 KCI-22/	1.1172982	1.2234123	1.0927883	1.2711573	0.99235505	1.1324320	1.0679727	8 8	0.95451945		12770338	1.0197562	1.1385902
Dhasa 1 DCT 184	0.00020/04	1.2030313	1.000.001	1.000/134	1.426279	1.1/00/42	1.4203008	-	1.23/1304		0.82693535	0.805528	1,8612873
Mulfiday position professor	4 4057540	1.0040001	1.1113042	1.1030343	0.6766201	0.892/115	19870580		0.89841694	1.6103895	1,0234885	_	0.8595631
Insulindike omwith factor I evan 6	4 700R724	0.772770	0.9000043	0.6/69194	0.6528803	0.7378322	0.9209978	1,39811/1	0.9653397	1.72779	1.0429456	4 2466548	4 0503424
N-hydroxy-2-acety/aminofluorene suffotransferase	-	1.0805657	1.0936695	1.2702483	0.9903241	_	1.1098442	1,0385723		0,96794504	1.0188749	1.0066175	0.8205065
(ST1C1)											-		
Dynamin-1 (D100)	1.6911687	1.1959385	1.0894736	1.1585805	1,2329221	1.2848136	1.3384109	0.8814669	0.9820597			1.1259383	1.108143
UNA polymerase beta	1.0487416	1.6464659	1.3199772	1.5156159	1.1066061	1.2651677	1.1379893	1.0660703	1.0815381	0.9585684	0.90698475	0.89110824	0.9188734

Jbiquitin conjugating enzyme (RAD 6 homologue)				1			ŀ		4 0.400077	1 0328498	1 0135493	1.1601818	1.077435
	0.8963088	1.6058581	1.0310477	1.2950604	0.68755178	1.298355	0.8844897	0.95208144	17000077				_
Ribosomal protein L13A	1.6548003	1.5759262	1.5360535	1.4365432	1.6355418	1.4422266	1.6083418	0.9997844	0.9502254	1,0379235	0.9883407	1.0165827	1.0279016
Phase-1 RCT-144	0.96291554	0.96363723	0.9797784	0.8529155			0.9043912	1.0343473	1.0335954	1.1303204		0.87702626	0.822388
-H-ras	0.8340203	0.9771665	0.9127085	0.9478008	0.6963201		0.77190038	1.097035	1.1446177	1.0707933		0.94812846	1.0182719
/esicular monoamine transporter (VMAT)	0.87291926	0.62664646	0.8150155	-		1	0,5755217	1.2036912	1.0465211	1.4054625	1.0017525	1.0944872	1.1927049
Phase-1 RCT-273	0.9267614	0,5156455	0.7745651	_	0.71727175		0.59231645	0.9732268	0.94607085	1.1158462	1.0997782	1.1272659	1.1727308
hase-1 RCT-Z30	0.8964782	0.57127625	0.737563	0.5372678	0.7919134	_		1.1251843	0.9578018	_	1.2032307	1.2263/43	1.294/855
nase-1 KCI-/4	0.6980051	0.6780535	-	0.7208494	1.534843	1.3933103	ni.		7		1.0734773	4 0402247	1.007173
Mase-1 KCI-80	0.8665955	0.50366294	-	0.57654876	0.8640709	1 0004504	U.//808/1	387/0L0.L	0.8315135	0.8545826	1.0229318	1.0193347	1.1410231
TRIBET I NOTICE	0.045 14035	0.11202031	4	0.76300097		1,009 1304	771 /0001	4 2200 402	4 0202040	4.7425404	0.0000000	ㅗ	4 4 4 80 8 8 4
Jeoxycytionne kinase	0.9450323	0.65819496	0.8563/82	0.8245332	_	0.68/33054	0.50091094	1.2288493	1.0387946	1.772381	0.9980833	1.03//200	1.1102004
nositol polyphosphate multiwhase (ipmk)0	0.915/651	0.53634536	0.80466855	0.672716	0.8653044	0.9582335	0.7240525	1.0349805	0.8433538	22710001	1.0436457	1.03/3606	1.1050960
Vetrorial cell agresion molecule (Nr. Am)	0.707000	0.2434446	0.7108/03	0.5824961	0.020033	0.777.0000	0.0250943	0.3094720	0.0000000	1.130270	4 0001000	0.007000	1 00 77574
Hepatocyte growth ractor receptor	0.70763665	0.75/43324	0.81393623	0.77044000	0.797.61	0.7956039	0.6465086	1.2244327		0/00/27/0	1,0031020	4 0469346	1.00//5/
Empay Describe recorder Do	0.2615620	4 2012025		4 402054	7050472	1.1110004	0.605503493	4 4470040	4 4404404	_	0.00101000	0.0055383	0 040805
Doparting receptor U.2	1.00892/3	1.2642835		1.183854	_		-	2188/11.5	1.1401791	0.8141201	0.924 130	4.0046077	0.800
mase-1 KCI-01	0.8454496	0.66430175		0.68151104	4 5	4 2640000	<u> - 1 - </u>	4 4407767	4.0709608	1.0550704	1,1071419	1.0010077	1 0207304
Number of the Caralles	1.2130520	23750000 0 23062530	0.01940033	0.03420300	1.4211275	_	1,301/131	1 9502230	١,	┸	0.075775	4 4448435	4 404578R
Autenoried units	0.00373887	0.39293400	0.00013213		4 2244027		4 2004040	1.0002009		1			0.05748026
Dhace 1 PCT 100	0.00031200	0.0301313	2 10	٠,	-	0.82733688	0.80408084	1 0044868	15	1 0358797	-	1	1 0746053
Phase-1 BCT-04	0.83042295	D 8421714	0.8222045				0.68858	1 0599173		1 1778295	1 1578187	1 0985017	1.0741551
Samonlasmic reflorium calcium ATPase	1 289379	0.7552026	9680	0.68183166		0.75508064	0 7437487	1 0914379	0.96543586	-	-	0.98421593	1,0050211
Phase-1 RCT-79	0 9140561	0 582367	0 7714858	0.5819795		0.9256988	0.829243	1 0439099	0 92530614	1,1164218		1.2528661	1,1669736
Phase-1 RCT-252	1.9110154	1.1955302	-	1.239886	1.342061	1 2353935	-	0.91202956		0.82084346	1.1491478	1,1458155	1.0555861
Phase-1 RCT-151	0.9690204	0.9441808	1.0023496	1.0346489	1,0175112	1,1630484	1.3130606	0.92661198		-	0.9792159	0.9775844	0.9859514
Phase-1 RCT-70	1.0438928	0.73701173	0.8837392	0.7920347	1.3623966	1.2418743	1,1996154	0.851063	0.6458268	Ц	1.1476766	1.0198702	0.990227
Phase-1 RCT-150	0.5451043	1.196865	1.1709765	1.1923054	1.0457349	1.278651	1.1239611	0.8390984	1.0946282		1.3447423	1.2028903	1.2252679
25-hydroxyvitamin D3-1 alpha-hydroxyjase	0.57524014	0.7345982	0.9265471	0.7529343	-	0.62777513	0.6075288	1.3554276	1.027425	7452	0.91329235	0.888033	0.87772256
Phase-1 RCT-119	1.5792894	1.0181022	1.0792601	1.1234001	1.0885953	1.0474815	1.2614663	0.9730151	0.91172796	0.815417	1.3875178	1,3227179	1.38811
Peroxisomal 3-ketoacyl-CoA thiolase 2	0.7710029	1.0821388	1.1949503		1.041445	1.0742385	1.456424	0.7972243	0.8912115	0.76908267	1.0641475		1.0582668
Phase-1 RCT-146	0.6658551	0.82697237	0.7957894	0.69451696	0.79982746	0.9003861	0.6775733	1.2148983	1.0212888	1.4086957	1.1023927	. .	9880875670
Superoxide dismutase Mn	1.6126071	1,5403765	1.3679584	1.1109328	1.0994142	1.209754	1.443577	1.2185421	1.0450972	1.3483938	1.0771905	0.9766094	1.0815918
Phase-1 RCT-115	0.49109554	0.58127266	0.7916366	0.6636793	0.7142089	0.73755157	0.565792	1.1478451	0.7505276		1.0587457	0.9878025	1.0178589
Alpha-1 microgrobulin/bikunin precursor (Ambp)	1.0794332	1.5361983	1.9155146	1.7834073	1.737669	1.7440809	1.7327298	0.855624	1.0748346	0.86846757	1.2586251	1.1350476	1.1717973
Phase-1 RCT-18	0.96507436	0.83448493	0.8796992	0.8754826	0.84652305	0.84780586	0.74700034	0.9417595	1.0296792	0.8463101	1.084882	1.0067082	1.0148994
Maspin	1.0894916	0.72096604	0.9084354	0.77440274	0.72083557	0.7200511	0.8520044	1.1897422	1.0068015	1.422193	1.0001371	1.0995977	1.3053226
Decortin	0.70643526	0.6584422	0.7391304	0.5674275	0.5674275 0.69266254 0.68332106		0.58757234	1.1715251	1.0264413	Ц		1.1599469	2.1639605
Retinoid X receptor alpha	0.7515787	0.8933051	0.8879327	0.7724155		0.69030255	0.8444795	0.9432727	0.8466988	_		-	0.8220609
Cellular nucleic acid binding protein (CNBP)	1,3452489	1.2796228	1.2869307	1.1709639	1.0559663	1.1521713	1.2287654	1.1967655	۲.		-	-+-	0.92838854
NADPH cytochrome P450 oxidoreductase	0.9266559	0.70849545	_	0.8227477	0.6899597	0.73333216	0.6340915	1.1694089		1.410974		_1_	1.0/60431
Malic enzyme	0.8124062	0.5826108	0.77664206	0.6068073	0.5440393	0.5384104	=	1,2221/2	1.4943607	1.1453408	1.046/03	0.03243034	0.7260214
Codada I	1 0282758	4 22644ET	1 206985	0.70342100			0.0035230	0.00081675		٢		0.8557 1455	0.9762675
Common	0.000000	4 4030545	1,00000	4 005004	0 0000404	0 7000474		4 20400	_	_	0.000004	4 1303800	0 042043
Dofy/ADD-riboso) polymorase	0.0304074	4 0260071	0.0002130	80878000	0.00002101	0.003477	0.03000400	1 0390704	1 0468425	1 0480837	+	0 87019736	0.9673397
Tieste plasmingen articator	1 1211787	0.8764754	0.0078047	0.303/020	0.02440304		0 85838044	0 9070756	0 9898228	0.81125176	-	1.0449464	0.991197
Multiduo resistant protein-1	1.1247884	0.7954047	0.85822487	-	0.84575798		0.784857	1.2525847	0.9575232		0.9342286	0.844167	0.845842
Phase-1 RCT-207	0.62652797	0.8876154	0.83531404	+	1.0642428	1.1331265	1.2131498	0.9843853	0.9799981	1.1787572	0.9198301	0.9132478	0.926191
Phase-1 RCT-181	1.1080437	1.0100851	0.956702	1.0455093	1.2317473	1.17387	1.164897	0.727422	0.9262209	0.81422275	1.2139039	1.0821565	1.1702868
Gap junction membrane channel protein beta 1	1.1334686	0.55541945	0.92831945	0.8629149	1,3103861	1.1400872	1.3526922	0.8080771	0.5745196	0.58892053	1.2671463	1.2444774	1.127537
(Glb1)	0.004		7,0000	2000000	4 4 4 5 0 5 0 0	1,000,400	4440750	4 0500700	0.0040404	4 4490000	4 4200077	0 0000004	733044000
Aquaponing (AQP3)	4 02020		0.6104034	0.7708873	1.1439336	1.0964307	8 3	1.0302/100	0.3040181	7	0.000000	_	0 000015
Myelin basic protein	1,038284	0.67/33055	9 1	0.85080866	0.0269654	0.0577318	4.0000004	0.87276063	0.927.20017	0.09074340	0.9223020	_	0.800013
Calgranuin Bs	0.7539966	0.92568/3	0.85918251	0.890603	1.03/8/51	1.13/2293	1.cucous.	0.86133625	0.9800039	1.0525151	0.6033380851	-1	134100111

se-1 RCT-156	1.0458912	1.0458912 0.84416175 1.1761231 1.1588861 1.1957524 0.96547014 1.3742363 0.86397326 1.0343488 0.7235655 0.733655 0.8639737 0.8639737 0.8639737 0.8639737 0.8639732 0.8639737 0.863977 0.863977 0.863977 0.863977 0.863977 0.863977 0.863977 0.863977 0.863977 0.863977 0.863977 0.863977 0.863977 0.8639 0.86397 0.86397 0.86397 0.86397 0.86397 0.86397 0.86397 0.86397 0.863	1.1761231	1.1588861	1.1957524	0.96547014	1.3742363	0.86397326	1.0343488	0.7235655	0.73661816	0.82920957	0.797287	٠.
leasome activator 28 alpha	0.8310835	0.515143	0.7412053	0.6456837	0.6594404	0.845837 0.6594404 0.7335753 0.50081094 1.2119626 1.0800581 1.3897442 0.88502556 0.88908476 0.8057816	0.50091094	1,2119626	1.0800581	1.3897442	0.88502556	0.88908476	0.90067816	
								-						
Gene expression data for 72 hour timepoint														
presented as mean ratio of treatment/control														
ali 72 hour predictive genes (Table 23).														
Compound and dose abbreviations as in														
le 1.														
Individual animal number			-							-				
Liver inflammation classification for compound														
a group at 72 fr. yes-necr, necrosis observed;													_	_
-both, necrosis with Inflammation observed;								_						
no histopathology observed											•		_	_
Predictive gene (as in Table 23 and as														
uded in Table 26)						_			_					

Table 30. Expression Data for 72 Hour Timepoint (1)													
					П						Т	- 1	
Compound-Dose (2)	GAN 50	GAN 50	GAN 50	GEN 150	GEN 150	GEN 150	_					HYD 1000	HYD 250
Animal Number (3)	2448	2447	2448	437	438	439	427	428	429	1237	1238	1239	1227
Liver Toxicity Inflammation Classification (4)	no	2	55	8	5	2	92	2	5	2	8	2	5
Gene Name (5)													
Phase-1 RCT-107	1.0247049	1.1036842	1.0252148	0.9253145		-		0.6739895	0.80636805	0.9483022	0.83330284	1.0299149	0.9288528
Betaine homocysteine methyltransferase (BHMT)	0.5806452		1.6577872	1.5316919	1.127557	-		0.81180143	1.1230943	0.49676588	0.43060273	0.7858356	0.6175002
Proliferating cell nuclear antigen gene	0.8703236	9	0.763534	1.0954688	0.9429589	1.0088004		0.80942124	0.9073158	0.9653844	1.5824833	1.1940829	1.2628933
Cytochrome P450 2D18	1,000943	0.8780153	0.8756053	0.74877228	1.1203245	1.0004123	0.89955395	1.3008807	1.051871	1.0882052	0.67647636	0.8482089	0.7864631
Cytochrome P450 2C11	0.5508739	0.6444258	1.0428321	1.1993448	1.103461	0.9878716	1.1582094	0.8843622	1.030908	0.9149127	1,5715137	1.4269174	1.7610223
Phase-1 RCT-230	0.5452496	1,1805738	1,4015647	1.3923291	1.0433679	0.9881342	0.9576809	0.78029364	1.0199094	1.0199094 0.80917215	0.683329	0.93522066	0.91563994
Phase-1 RCT-59	0.9932038	L	0.92258346	ľ	1.087381	1.0133888	1.0244809	1.049897	0.9909647	0.89491135	1.0879136	0.947611	1.0582203
Beta-actin, sequence 2	0.8398964	<u>!</u>	1.0728321		1.0058373	1.0573671	0.95905644	1.1230154	0.8550336	1.1173711	0.858004	0.9434004	0.87776583
Phase-1 RCI-292	1 1374984	Ľ	1 0442398	0.9229884	١~	1.0196528	-	0.86399794	0.8631222	1.0107579	1.178217	0.9330547	0.9878227
Denicate Massa mission	1 0585305	ľ	0 9847298	0 8603481	0 99420786	0 95570564		1 096003	0 9858398	0.9364871	0.88943744	0.8797815	0.9380005
Octobachida	4 0779759		0 9330887	0 9991484		1 0705161	0.9802735	1 1826694	1.156411	1.300669	1.074457	1.0242808	1.1093574
Caloraguin R1	0.08287974	1 0034038	1 0119958	0.8275995	1 0422682	1 0191344	-	0 72047395	1.0058984	0.6959946	0.6156802	0.7674581	0.88467276
Andingsoftin All	1 485354B	┸	1 0944676	0.8089844	1 3080565	1 0734365	0.93739694	1 1620625	1.1464187		0.25051942	0.46022353	0.5807542
Comovin-32	1 1366501		0.8972745	0.7264055	15	1.3620304	0.91564598	1 2289202	1 4236456	1.1829411	1.452383	2.963025	1.8151292
Phase-1 PCT-109	1 23092	1 1025732	1 0458958	0.83169043		1 0472778	1 0665482	1.2179714	1.1346881	0.7350944	0.6282281	0.6484602	0.8414477
Clivina methyltransferase	1 2017168	1 4697447	1 0601334		1 4954826	1 4054826 0 83965635	0 6440734	0 6440734 0 73162276	0 79290473	1~	0.46531862	0.8855225	0.75740707
Ladon camma Jachon oxidasa	0 9197269	1 3264241	1 430607		1 0687726	1 0139036	1 0255569	1 16327	1.1287555	.1.—		0.67797166	0.73093677
Phase-1 RCT-256	0.87428597	1 0108808	1.0829941	0 9973255	1 1270579	1.1129673	0.9689243	1,1226209	1.1160306	J		0.83604544	0.9542281
Carbonic antivorase III	1.3839743	0.7031444	0.8066246	1.598903	2.034468	1.7917066	0.6551627	0.9450137	1,2183161	┖.		0.3581153	0.5613003
Phase-1 RCT-78	1 002099	0.8931286	1 0020434	0	1.1087065	1 0066952	1.1325096	1.0011449	0.9182543	1,0979191	1.1207622	1,0909108	1.0345168
Urbary protein 2 precursor	1 2223543	0.9486059	1.1020601		1.3711991	12704374	0.8990029	1.4762821	1,2506695	1.0680581	0.7562925	0.7884131	0.8029156
Insulin-like growth factor I	1.2847319	┸	<u> </u>	1.1310556	0.9043822	1,3602372	0.95301235	1,2400184	1.1244339	0.9555663	0.6923794	1.0094556	0.8262244
Any suffotransferase	1.3131044	1,3598396	L	1,3398159	1.346104	0.99440295	0.9831712	1.010305	1.0071676	0.61072856	0.6341425	0.61728984	0.8497354
Phase-1 RCT-185	1.1907307	0.96094996	1.0522643	1,444315	1.0896152	0.9444939	0.97070986	1.0513736	1.0167916		0.78244096	0.82218045	0.7855788
Cofflin	1.0889548	1.1118344	1.1435035	1,2308909	1.0598533	0.95753684	1.028559	1.4348117	1.1311727	1.3573351	1.1218064	1.0201671	0.9456023
Stathmin	1.0171176	0.99999994	0.9212006	1.0026892	0.8101397	0.7342157	0.97311366	0.7863344	0.8549556	1.0309323	1.0988553	1.0488884	1.1323954
60S ribosomal protein L8	1.3491542	1.2082744	1.0249484	0.7560075	_	1.0160515	0.98823136	1.2680551	1.0498663	0	0.5710954	0.5710954 0.59785366	0.8667292
Calpactin I heavy chain	0.98296034	1.0602343	1.1397586	0,8580484	0.9963235	0.9582918	1.001552	0.85532045	1.0231395	1.112144	_ 1	1.2191828	1,0864811
Collagen type (1	0.84457684	0.98284274	0.9876089	1.0323948		0.94536835 0.73559874	1.1113228	0.97549194	1.066675	1.066675 0.89350575	1.0834676	1,0065354	0.89714456
Phase-1 RCT-179	1.3361789	0.9355581	0.9850671	0.93181443	1.0579073	0.9146382	0.8994339	1.1257797	1.0792457	0.96765333	0.9366188	0.845666	0.89498985
Voltage-dependent anion channel 2 (Vdac2)	1.1846077	1.2289376	1.1282351	0.9291124	1.0123069	1.0426207	1.0903615	1.0397259	1.0232518	1.0944687	0.8437638	0.95822775	0.9821643
Phase-1 RCT-192	0.9996191	4	1,001761	0.93117064		1.0842748	0.9810981	1.0879668	0.9785776		0.8082399	0.73/7238	0.8604361
Adenine nucleotide translocator 1	0.77967894	4	0.9255238	0.9867431	٦.	0.67927927	1.0321319	1.1358042	0.93581206	٦,	0.93430674	0.6345177	0.7245370
Thymosin beta-10	0.8932892	4		_		0.983/859	0.8309688	1.2810351	1.1150183	1	0.74202130	0.0843310	0.7354220
High affinity lgE receptor gamma chain (FicERIgamma)	0.9808078	1.0025076	1.0561334	1.2060736	1.1900371	1.0210228	0.9258942	0.9258942 0.86666524	0.9665314	1241382	1.1622772	0.92227965	1.0401264
Gamma-actin, cytoplasmic	0.7102713	1.2409998	1.1031902	0.75204825	0.88943523	0.94085234	0.9533553	1.0170009	1.0170009 0.78832847	1.0951501	0.9724654	1.0166988	1.0090821
Uncoupling protein 2	0.7333043	1	2	_	_	0.75314814	0.8992566	0.9718789	0.9718789 0.99476635	1.0439873	1.1245694	1.0282019	1.0613145
Phase-1 RCT-34	1.2120287	_	_	0.85991704	_	0.9857085	1.042285	1.0401745	0.9727725	1.1770822	0.9646572	1.02608	1,2358162
Phase-1 RCT-31	1.9293698	1,5931308	1.5243568			1.0077921	1.0629336	1.5533718	12171336	1.216257	1.037811	0.97934884	1.002211
Cydin D1	0.8783828	0.97061074	0.88341605	1.0522084		1.1047227	1.0538383	1.1308804	0.7108607	_	1.8547151	1.420534	1.0112745
IgE binding protein	1.0499251	1.1443789		0.98872757	1.6653421	0.8563736	0.9434594	0.84538555	0.9094039	1.0056298	1.0637853	1.1314516	1.1557009
Zinc finger protein	1.0174272	Ц			0.9270515	0.7188853	0.9721121	1.0760905	1.2192265	0.8969652	0.8922017	0.95192916	1.1714935
Phase-1 RCT-138	1.1492808	_	_	1.0362072	낔	1.0115153	0.96282774	0.8162262	0.9033532	1.077148	-1	0.9155292	0.84724864
Alpha-tubulin	0.5964575	긔	_	1.0080634	0.9135685	0.6678408	0.9576809	1.0330559	0.8429738	_	1.0067128	1.0067128 0.85147085	0.69151014
Alpha-profflymosin	1.2302432	1.0228015	1.0947831	1.0622408	1.041074	0.9847774	1.0246993	1.4722872	1.0966278		0.81277055	0.7783665	0.8600683
Calpain 2	1.0519946	Ц	1.0251286	0.9687088	0.9093802	1.0221417	1.0182467	0.9264874	0.9069244	_	1.0478852	1.0083041	1.1158221
Phase-1 RCT-12	0.81580836	_	_	1.1242185	_1	0.9043849	0.9879339	1.0224918	0.87280387	_	0.9739018	0.93678594	0.9139475
Cathepsin B	1.1077957	_	4	1.0528709	4	1.1175225	1.1913154	1.134665	1,2166491	4	0.8043238	0.8035764	0.80100100
Phase-1 RCT-24	0.53428495		4	0.9921759	4	0.9708305	0.9546064	0.91586556	0.8658056	1.1666398	1 2539540	1 1401194	4 408302
Metanoma-associated arrigen ME481	121/3200	0.804:3053	0.0950039	0.8410379	1.0740343	0.305447	1.0702034	1,120/3/0	0.000040		1,000000	101101	1.1000

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Ovdin G	0.97446597	0.9683746	1.0081916	0.7914428	0.90445908	1.0443604	1.0263927	0.8607934	0.9627088	0.9938894	1.2599168	1,4286153	1.4429387
Hypoxanthine-guanine phosphoribosyltransferase	0.57139987	0.9353993	0.9272356	0.9277091	0.8809908	0.8615011	1.070054	1.2660183	0.9351604	0.9291766	0.8776358	0.8295425	0.79862463
Tissue inhibitor of metalloproteinases-1	0.8386283	0.92965627	0.9776821	1.0774374	1.0630444	1.0068597	0,9789574	0.8976807	1.0691867	0.99795216	1.2727247	1,3707148	1,063969
ID-1	0.91830784		0.90411896	0.9876374	0.8335782	0.920325	1,0511483	1.021465	0.8967277	0.9305748	1.1821538	0.8673558	0.90331376
Ribosomal protein S9	0.9500865		0.85532606	ᆏ	_	1.05061	1.1204343	1.2338217	1.1087974	1.0007952	0.9287831	0.83/00514	4 222700
Heme oxygenase	1.6527284	1.1091547	0.9900816	٠,	-	0.94394237	1.0163785	0.88709724	0.8625/28	1.2386042	1.2367092	1.48297	1.322/09
Ribosomai protein S8	1.4034972	1.19391/2	1.0925965	1.1206317	1 2227712	1.0395614	1.0588415	1 4102987	1 1405907	1.1960557	0.9077254	0.88826418	1.0985887
Nichosolika process 5 17	0.93049484	10779191	1.0760869	10546795	1.079027	1.0521227	0.9665561	1.2511815	1,1061574	1.0763149	+=	0.85640126	0.8027196
Phase-1 RCT-121	0.9704088	0.88164115	0.9401888	0.97120667		0.65187585	0.9281453	0.7719648	0.8344541	1.0624646	1.1716961	1.1840235	1.2389818
14-3-3 zeta	0.96195686	1.0519402	0.96559286	0.93338025	0.861092	0.81297076	0.9744227	0.78353906	0.83639574	1.1434753	1.4408547	0.8804671	0.89793
60S ribosomal protein L6 (alternate clone 1)	1.3733717	1.1861062	1.1054885	0.7764008	-	-	1.0659791	1,2314149	1,1171018	0.91070557	0.80596495	0.8812535	0.9052654
Beta-tubulin, class I	0.70306474	1.6715432	1.4063606	됬	-	0.89007028	0.91083875	1.1021557	0.8061521	1.264087	0.8223152	0.8174597	0.958054
Organic cation transporter 3	1.0185971	-+	1.0012413		0.84429055	_	_	1.3037317	1.0228802	0.9653843	0.8600988		0.8399712
Beta-actin	0.7200688	-	0.96249646	0.6716457	0.9646824				0.69093120	1.0143978	0.702359	0.60/0369	0.03000134
Cathepsin S	1.1002234	1.1281626	0.8521719	-		_	-	0.97199585	0.95956117	1.08/1462	1.05/2855	4 4545552	4 2046724
Bilwerdin reductase	0.8870872	0.97840303	0.8443783	. 	0.91979986	0.91632664	4.0449642	0.65250285	0.8415219	1.1232477	1,3100021	1.1343302	1 1800/31
Prase-1 RCI-154	1.04/3/6/	1,0527/3/	1.0133233	0.5044047	0.90031431	1,003/00/1			0.92023054	1 0191917	1 0956978	0 9303865	1 0584232
Annual V	4 0052572	1.0324230	1,007 1,000	-1-	S IS	0027700	4 0174762	4 4202340	0 0440342	0 0303072	1 1833989	1 0547216	1 0046785
Complement factor (CEI)	4 8730ABB	1 1388308	1 1877834	0 8063305	-	1 125600R	1 0715703	1 1988344	1 1267523	1 2869309	1 0711945	0.9628168	1.0837178
Phase-1 RCT-276	1.0576347	0.9703906	1.0106322	0.94333917	1.1619494	0.9749653	1.0196718	1.173457	1.0318335	1.2069054	٠.	0.95611288	0.9492648
Tyrosine aminotransferase	1.1746349	1,1255773	0.8956033	0.8503776	0.90545815	1.2669423	1.1710764	1.0853057	0.74094975	1.1346322	1,5669926	1,4837408	1,1318822
Glutathione peroxidase	1.0612916	1,2518058	0.95050734	7	0.90922195	0.97475904	0.8202611	1.5846051	1,2819136	314	0.97338927	1.067443	1.2105445
Histidine-rich glycoprotein	1.8881942	1,3421963	0.91045016	0.9678658	1.1189586	1.1733172	0.83020574	1.0685445	1.0623525	0.82215166	1.0469135	1.0053362	1,3079599
Carbonic anhydrase III, sequence 2	1.6607683	1.250294	0.8809418	1.040482	1.1277306	1.165601	0.81673247	1.0452896	1.0160894	-	_	0.86220948	1.3137581
Phase-1 RCT-92	1.0038528	1.0919205	1.0327998	_	-	1.138403	0.9982923	0.9648104	1.0083358	0.9153082	0.88546898	4.0626326	1.145252
Transitional endoplasmic reticulum ATPase	0.8180246	0.91128886	0.9467523	0.838988	ş İş	0.78423425	1.00566/3	0.8610643	0.86619830	1.230910	4 222 5763	1.002033	4 2356200
Phase-1 KCI-88	1.2366811	1.12/3428	0.89299554	1,035/488	1.0982//3	1.17169	4 4865303	1 1587848	4 2444882	1.01/0003	0.6872144	0.9572995	A 87090594
PIESE-I RCI-280	1,3/242	7000060	0.302404	0.00000	4 474 2004	1 043883	0 97001404		0 08065317	1 2004893	0 7941538	0.6478833	0.7288798
Circulations Comprehense thats.	0.75554445	0.008344	0.83269715	4 178026R	1 0130297		1 0074897		1 6249726	0.80754197	0.8230969	0.6925434	0.81546146
Phase-1 RCT-168	0.8346815	0.98764217	0.9059985	0.84397763	0.8926873	1.0935097	1,2190021	1.0828	1.0142413	0.9604054	1.0909839	1.1322403	0.9496634
Phase-1 RCT-182	1.1743629	0.91605335	0.9342077	1.009121	0.9981101	0.95772696	1.1094565	0.92766833	1.2002691	0.870255	0.83170885	0.83342828	0.9675342
JNK1 stress activated protein kinase	1.1641034	1.2140715	1.0359477	1.3378012	1.0058343	0.9230216	0.95576346	0.879944	0.959617	0.7070149	0.87031835	0.9933229	0.9565416
Phase-1 RCT-81	0.97981244	0.862092	0.96755266	1.0537984	1.0468619	1.0076866	1.0399157	1.1594027	1.0223818	35	0.97966725	1.0065745	0.9433954
Phase-1 RCT-33	1.1695337	1.0372019	1.0662652	0.7572409	1.1449175	-	1.5454814	1.1695069	0.93421775	छो.	0.70297134	0.8779658	0.82486063
Phase-1 RCT-178	0.83566886	0.69631416	0.72536826	0.9020699	1.2262592	0.9595906	0.94366616	0.6393517	0.69/26396	0.6363301	4.0543930	0.4103028	1.0033023
Apolipoprotein CIII	1.1601214	1.0611/22	1.0846393	1.1209154	٠.	1.86364/14	1.0656213	1.0785611	4 0649479	4 045409	1.0313304	4 40245KB	0.00230345
MARK Atopum 15 mentes	0.9214/99	1.008/038	1.120342/	1 1673034	1.0005/55	4 406754	1.0122321	1 0018752	0 9760368	1 1520566	1 0501502	1 0304784	0 94217205
Athe 4 - inhitter III	2 1035425	0.97542864	1 0522372	1 6078434	0 6330055	1 5018506	0 8036681	13270335	1 1932429	1.053757	0.88985187	0.7207785	0.8696059
Phase-1 RCT-233	1.0730689	1.0527492	1.3704119	1.1760393	1.0731655	1.0344214	0.8341405	0.8035225	0.9823127	1.0697032	0.88767457	0.82882574	1.1214862
Paracconase 1	1.4703928	1.0984068	1.0056483	1.6534964	1.0833316	1.078891	1.0778953	1.2665756	1.1269002	1.0519454	0.9207841	0.7604672	1.0505798
Presendin-1	2.4946449	1.0347936	1.0921187	1,5190413	0.632739	1.5125183	0.7958772	1.3624917	1.1972228	1.015638	0.9184654	0.72536844	0.8797813
Apolipoprotein C1	1.4081126	0.91095585	1.2368876	1.8066313	1.4283689	1.018908	1.0128819	1,2538557	1.1769088	50643	0.90443987	0.7444707	0.8833664
Cytochrome P450 2C23	1.6069746	1.0240438	1.0669986	1.298441	1.064432	1.1463947	0.88004315	1.1983066	1.2692862	0.9439095	0,8484219	0.9060404	1.0327848
Phase-1 RCT-227	1.6356809	0.8443374	0.99422485	0.9211279	1.1616852	1.0080024	1.1072997	1.0235498	0.88863033	1.0966179	0.82443887	0.8428604	1.054568
Hepatic lipase	0.7009525	0.95180106	1.1365218	1.1250321	0.5548179	0.88978344	1.1663063	1.07772/04	1.0108636	0./8/60	0.7343078	0.0343491	CONTROL O
Phase-1 RCT-184	0.94910437	0.95109975	1.086418	1.113289	1.0548695	0.8434994	0.9874787	1.2462646	1.0845832	0.9253251	1.000542	1.020412	1.0155665
Multidrug resistant protein-2	1.1377316	0.9754929	0.96334535	1.2336646	1.0063257	0.9693445	1.1159465	4 2626200	4 207024	1.0331/82	0.6/50241	1,001/02/1	0.7673897
N-hydroxy-2-acetylaminofluorene sufotransferase	1.4210869	0.862047	0.8605764	1.1862419	1.2212319	1.1463763	1,111232	0.93626887	0.99692065	1.0180728	0.7773409	0.6957301	0.90052617
(sticı)													
Dynamin-1 (D100)	1.083004	1.0541253	1.1303124	1.1238568	1,1226566	1.0708693	0.9914508	1.1510776	1.0809184	0.9848704	0.953796		1.0206808
DNA polymerase beta	0.9450376	1.0597925	1.0289562	1.2013118	1,164596	1,0735883	0.9201735	1.3677809	1.0717434	1.118382	1.0351001	0.9509045[0.89738706

Phase-1 RCT-173	0.8838982	0.8587131	0 84953576	1.0026357	1 1799146	9107000	0.0470302	0 8440402	12052070	2040626	1 04046261	0.7600000	1,0000757
Ubiquitin conjugating enzyme (RAD 6 homologue)	0.9574584		0.9590718	0.93595076	1.0837789	1,0096983	ľ	1.2081362	1.135216	0.8966786 0.89657843	0.89657843	0.8620674	0.7407783
Ribosomal protein L13A	1.0164361	1.0721039	0.9210273	0.744121	1.1363084	1,208662	1.0383962	1,3101004	1.2734488	0.80141515	0.6314735	0.67095774	0.9062606
Phase-1 RCT-144	0.8637709	0.930825	0.9103247	1.0730735	0.84690195	0.82577556	0.9311324	0.6342596	-	1.1728516	1,3384553	0.93283314	1.0865451
Variation	0.9457534	0.8931597	0.94871	0.8356273	0.95187765	0.95560473	1.0076381	0.8473854	0.94793177	0.72042423	0.566257	0.7229469	0.9466424
December Transporter (VMA)	1.0315079	1.0146188	0.8693986	1.3426971	0.8889263	0.7244	1,2099168	0.8141738	0.9044817	1.2464002	1.7104821	1,5010705	1.5281391
Phase-1 RCT-230	1.009/248 4 1319368	1 2040707	1 0400600	4 0366040	_	0.76006126		0.74682915	_	1,0274544	1.1627077	1.1552153	1.2632376
Phase-1 RCT-74	0.9579015	0.058388	1 0178587	1.0420019	4 0272062	4 0684436	1.0/1/218		·· t	0.97804457	1.0774236	1.0367/91	1.2130462
Phase-1 RCT-80	0.990102	0.9720635	10112221	10178411	5789	0.95542276	0.9054838	0.00018404	0.84626330	1.1039700	1.4242471	1.14//315	1,237,7650
Phase-1 RCT-158	0.95308288 0.97225255	-	0.93612194	0.98467696		0.9791077	0.9512039	-	0.76835555	1.1813928	1 252695	1.1710846	1 3804525
Deoxycytidine kinase	1.1315594	0.97106314	0.92417526	1.3464134	-	0.89387155	1.0217824	_	0.9597588	1 1327859	1 5012529	1.6648098	1 2596011
Inositol polyphosphate multiklnase (fpmk)0	1.0049064	0.9390845	1.000942	1.1078931	_	0.83979603	1.0888671	+-	0.81007254	0.9330819	1 2020714	1.0333705	1.0695688
Neuronal cell adhesion molecule (NrCAM)	1.0408279	1.0284044	0.9097981	0.9661187	_	0.92122096	1.0744258		0.7782084	0.8808523	1 122529	٠.	0 03272525
Hepatocyte growth factor receptor	1.0459961	0.99417686	0.8899806	1.1748457		0.96964306	-	0,92755115	1,1150968	1.100571	1.1107734	+-	1339686
Empty	1.0094615	1.1089317	0.9224329	1.0434417	0.961531	0.88055285	0.94297147	0.6225381	0.780011	1.1053021	1.6536828	1.4317169	1.7333708
Doparnine receptor D2	0.92691916	0.9645155	0.8928493	1.1920971	0.85110873	0.9448614	1.0599358	0.9223211	0.87682945	1.0079424	1.1409167	1.2206476	1.1240343
Phase-1 RCT-51	1.1155324	0.99533933	1.0314457	1.1335793	0.9340335	0.8058354	0.97467315		0,84691036	1.0541251	1.0623853	1.2487298	1.4505066
Four repeat ion channel	1.0300087	1.0453948	1.1310295	0.92507875	1.0453845	1.0282454	0.989981	0.7879719	0.94629234	1,1356676	1,399454	1,2191865	1.4182731
Adrenomedullin	1.0511472	5	0.97388244	1.1368746		0.6433748	1.2372724	0.5750548	0.76190263	1.1702843	1.5796044	1.411263	1.823494
Caveolin-3	0.89635944	0.99092317	1.0530538	0.92778057	1.0325656	0.99410635	0.99245113	0.6662086	0.940202	1.1252089	1,382913	1.3832601	1.233814
Phase-1 RCT-129	0.98179686	0.96859443	1.0263332	1.0498749		0.9366665	0.9673344	0.7172027	0.93076928	0.9996381	1.3522024	1.2218457	1.1752298
Phase-1 RCI-94	1.1532372	1.1189168	0.7367089	0.9571731	-	0.88154256		_	0.81195825	1.1254554	1.3517169	1.3310591	1.2090197
Saropiasmic reticulum calcium AT Pase	0.9963311	0.9448483	0.8549106	1.0980353		0.88023955	0.9434656	0.93334544	0.7828621	1.031992	1.076812	1.021135	1.2111491
Phase 1 Dort 200	1.16101	1.1132323	1.0366632	0.9471094		0.94473606	1.0386118 0.75514764	0.75514764	0.8430405	_	1.1300019	1.0990008	1.3601471
Phase-I RCI-232	1.6928675	-	1.1458398	0.8258899	1.0069672	1.0605967	0.8545946	0.9834451	1.1517278	ᇑ	_	0.9088007	0.9730013
Phase 1 DCT 20	69/906760	-	0.85482564	0.89156586	1.1176484	1.0236223	0.92892337	1.0121589	1.024806	_	-		0.88850635
Phase-t RCT-150	4 326420R	1 0000022	1,1000239	0.7009177	1.03/6938	1.0151467	0.9750679	0.83299166	1.0995027	-	0.98912215	1.0265446	1.0872984
25-hydroxyvitamin D3-1 alpha-hydroxylase	0.81390357	+-	0 87555104	1 0380823	0 0826054	1.0009333	0.002000	1.1951/45	1.18/2203	1.0019/25	1.30//832	1.0130416	1.0283952
Phase-1 RCT-119	1,4931554		1.1587216	ماه	_	1 2000000	0.9373732	0.0328437	1 4004257	0.000748305	3.6162323 1 1066836	1.4139206	1.3/Bb933
Peroxisornal 3-ketoacyt-CoA thiolase 2	1.0208178	1.0379031	-		1.0076243	1 054999	1 262289	1 2503115	1 1888387	0.87196983	0 9210687		0 83467666
Phase-1 RCT-146	1.1149478	1.1259813	1.0173331	1.003929	0.8735628	0.7550023	0.97443444	0.6896707	0.7753984	1.2429338	1,7573133	.l.	1 7968428
Superoxide dismutase Mn	0.9516349	1.0865595	1.0847356	0.9070521	1.118777	1.153721	1.2710907	1.0162734	1,0499387	0.90749323	0.88501656	0.91385806	1,0183172
Phase-1 RCT-115	1.0123153	1.0969859	1.0111514	0.81213903	0.9419152	0.9311643	0.9489994	0.9250694	0.969015	1.1229646	1.1200498	1.2910761	1,1860358
Apha-1 microglobulin/bilantin precursor (Ambp)	1.4168785	0.97432953	1.0036223	1.0291631	1.068309	1.0268582	1.1122848	1.3361895	1.1243858	0.9666763	1.0158962	0.97660124	0.9285816
Phase-1 RCT-18	0.91250557	0 9403433	4 057929B	0 9155904	4 4400018	0 000000	7900007	0.9400462	0.0746769	4 0440	4 000040	0007070	0010100
Masoin	1 0370635	-	0 05580213	4 4765/88	_	0.0004043	4 400000	0.0403432	4 2000004	1,000,000	1,000,000	1.3134038	1.0240390
Decorin	1.0666356	3 10	ıl.	0 99062175	2 2	0 7404542	1 0748565	0.7032442	0 04300533	1.1068042	1,3822881	1.218659	1.384/984
Retinoid X receptor alpha	0.9172485	0.9500611		0.7865407	0.884228	1.0102165	0.9308312		-	0 4	0 92015415	-	0.00000000
Cellular nucleic acid binding protein (CNBP)	0.9687058	1.1489224	1.0184741	6	0.99398035	_	0.91526663	1.2089694	_			_	+
NADPH cytochrome P450 oxidorectuclase	0.9894715	1.0684192	0.99727835	0.74408644	1.0724933	1.155497	0.96681625	1.1969115	1.1412183	0.89350015	1.0139718	1.1515716	0.8819786
Malic enzyme	0.6328429	0.9595101	0.8986956	1.027161	ш	0.7911469	1.0694517	97	-	1.1943945	_	0.96895355	1.3711182
Caspase 1	0.88698703	1.0923139	0.9358905	0.9580676	_	0.55746007	0.94366616	0.7342145	0.7865203	1.1846359		1.6078572	1.4715712
Cystatin C	0.8636607	0.839111	1.0804843	1.1344842	1,0939704	0.8694426	1.0406481	1.0578218		0.90232724	_	0.90659153	0.98628247
Poly/ADD-ribonal polymomon	1.1242343	0.9409784	0.9477983	1.0280762	0.8145025	0.9878539	0.9704976	_	1.1062902	0.8070498	1.2296114	-	0.9113011
Tissue plasminoceo activator	4 0563400	1.0001301	4 0000007	1.01/1349	0.9688042	0.8038477	1.0195795		0.94630635	1.0409384	1.2128718	_	0.96823794
Multidrug resistant protein-1	1 0264012	0.9975502	0 9491992	0.7844500	1 0686480		4 0036303	1 07323773	1 0484704		1,330973	1.18081.2	1.1548/85
Phase-1 RCT-207	0.98046327	0 94753957	0.8722201	0 93 1 87 105	4 0074645	0.8800403	0.0320230	740366	10/10/00	0.8033074	0.0040004	0.00000	10202033
Phase-1 RCT-181	1.0092768	1.101683	1,0347914	0.957415	1 0540012	1 1096098	18	0 98387045			0 90765107	0.000000	0.0543458
Gap junction membrane channel protein beta 1	1.0870225	1.2069869	1.1214769	0.5549021	1.059991	1,1455916	_	1.1173323	12	+=	0.55588237	. 60	0.88455965
Agreement (AOP3)	1 0444603	0.0040907	4 0004000	4 000000	000000		_	_					
Welln basic omtein	-	0.0313007	1.0231300	1.0032977	87505701	4	Si		0.78896165	-	1.234099	1.0903064	1.1309035
Calorandin B3	-	0.00013023	0.9193025	0.8162636	1.018624				1.0296215	_	0.92000335	0.7823105	0.6479649
	-	-1		0.8941/91/	1.1159426	0.8762786	0.71298134	0.81479275	0.87681655	1.0852833(1.1789044	1.0412879	1.1096374

				, ,00000	, 0000000	. 00022690	4 0704069	4 2062A64	10107800	0 8991171	0.83777305	0.980514651	C59709/0
Phase-1 RCT-156	0.7737887	0.80609363	0.9803593	0.7737887 0.80609363 0.8803993 0.8230314 1.0232303 1.012303 1.012303 1.012303 1.012303	3.025203	200000	1.01210.1	2000		,0,0,0	4 2500000	4 4704049	4 2806545
Destace policator 28 of the	0.8700985	0.9942856	0.97189367	0.8700985 0.9842859 0.97189387 1.2974045	0.7578311	0.7578311 0.80755854	1.1085005	0.6941042	0.88059264	TELOCOZ.F	CODET	1.1085005 0.6941042 0.88059264 1.2050191 (259055)	
Tiple against and an against													
											_		_
(1) Gene expression data for 72 hour timepoint													
are presented as mean ratio of treatment/control						_							
for all 72 hour predictive genes (Table 23).													
								1				Ì	
(2) Compound and dose abbreviations as in													
Table 1.													
79) Individual animal number						1							
(4) Liver inflammation classification for compound													
dose group at 72 h: yes-necr, necrosts observed;							-						
yes-both, necrosis with inflammation observed;							-						-
no, no histopathology observed													
							1						
(5) Predictive gene (as in Table 23 and as					,								
Indiad in Table 28)		_		_			-						

Table 30. Expression Data for 72 Hour Timepolit (1)													
		П	$\overline{}$	П			٦			Т	Т		
Compound-Dose (2)						-			KETO 28	KETO 20		-	KETO 80
Animal Number (3)	1228	1229	1967	1958	1959	1947	98	1949	2227	2228	8777	223/	2238
Liver Toxicity Inflammation Classification (4)	50	٥	2	٤	٤	2	2	2	8	2	9	2	8
Gene Name (5)												2000000	000,000
Phase-1 RCT-107	0.9238539	0.9724597	1.1931278	1.0206343	1.0351357	1.0104604	1.0258583	1.1820911	0.6476078	1,0320272		C5080/C/-D	1.0401232
Betaine homocysteine methyltransferase (BHMT)	0.9272843	0.75735575	1.8948418	1.1372718	0.8495852	1.1479098		0.7808873	1.0489192	0280860	201/058.1	P101000.1	1.0002030
Proliferating cell nuclear antigen gene	1.0001093	0.9472914	0.8768196	-	1.0276155	0.9705562	_	0.946113/4	1.0018058	1.0789338	0.94412863	0.90083/80	0.9179361
Cytochrome P450 2D18	0.7790595	0.79652864	1.3653011	_	0.87953824	_		1.1/1069/	0.7392199	1.3568108	1008278.0	=+-	VCSTOT CE.U
Cytochrome P450 2C11	1.1643682	1,3231387	0.76272845	0.8309621	0.8831849	-	0.86158174	0.89959484	BULDEC.I	0.7128838	1.3/323/8	2.240343	000
Phase-1 RCT-290	1.1610914	0.9130394		1.1024619	0.96544725		1.1051288 0.90455335		1.0619867	0.6914315	1.6789665	1.4707156	1.8079067
Phase-1 RCT-59	0.99907774	1.2447653	_	0.78156215	0.7875057	_			0.85827816	1.092706	1.1209897	1.0150378	0.9121893
Beta-actin, sequence 2	0.97377414	1.0412716	1.1354617	0.84801835			_		1.0602272	0.946383	0.9996186	1.0283956	1.2086067
Phase-1 RCT-292	1.1023988	1.1535336	1.0012602	0.9479887		0.94046235	0.8984328		0.93003637	0.94595987	0.98004943	0.9413398	0.921587
Pyruvate kinase, muscle	1.0635214	0.89983528	0.741921	0.73109424		0.64756256			0.99457186	=	0.96073323	0.92229676	0.981008
Osteoactivin	1.2242782	1.0988606	1.0556896	1.2330841	1.157032	1 0941331	_		1.0618103	-	0.96979535	1.0082295	1.0405092
Calgrandin B1	0.84304804	0.7648602	1,4415586	1.2123091		1.1589959	1.0879102	-	0.94875866	1.024401	1.2431078	1.1224936	1.055/35/
Apolipopratein All	0.8931565	0.5094268	1.7874542	1.3501084		0.75581783	0.8997209	1.0624983	1.06583	0.93696696	0.9513488	0.9936956	1.0165/78
Cornexin-32	1.4069158	1,2159017	1.3629888	1.4012897	0.9805675	1.4014689	1.5576108	1.2979586	0.7341641	1.035745	1.0891885	0.9635441	1.1078879
Phase-1 RCT-109	0.9411005	0.75447893	1.2314739	1.1811662	1.027188	1,0490971	1.0361731		0.94427115	1.0848058	0.8871577	0.92398316	0.8651074
Glychne methyltransferase	0.64758784	0.9352296	1.8633434	1.1439337	0.8867357	0.91996527	0.88899964	1.6872816	0.5330267	0.9902627	1.1902028	0.6897563	1.0768687
L-gulono-gamma-lactone oxidase	0.73315126	0.7853391	1.7397798	0.9991461	1.1560551	0.83491987	1.1051009	1.1931669	1,2216948	1,2216946 0,75444365	1.0583967	1.1527449	1.6593752
Phase-1 RCT-256	1,1369187	0,7033049	1.5456157	1.1018753		1.1170045	0.9463447	1.191083	1.1217816	0.9324276	1.2350627	1.1297058	1.2245868
Carbonic antivdrase (il	0.94287896	١٧	0,46239161	0.3609514	0.0332722	0.6996189	0.2824366	1.0095414	1,0008848	0.7307593	0.9910384	1.2110622	1.7699786
Phase-1 RCT-78	1,1093253	1.0050827	0.98997885	1.0097878	0.9099597	1.022914	1.0905014	0.9615251	1.0681082	1.1640416	1.0239267	0.98123986	1.0582012
Urlnary protein 2 precursor	0.9523318	0.8698847	0.8698847 0.90465117	0.7828869	0.7828869 0.72607887	0.7607908	0.615904	0.8028833	1.2283452	0.9106761	0.88069683	1.1302642	1.0251783
Insulin-like growth factor I	0.76534104	0.77337414	1.0496582	0.7559514	0.8419566	0.8867726	0.8975891	0.9843528	1,3885748	0.7124481	0.9073932	1.2899585	1.0668842
Any sulfotransferase	0.7682665	0.6823414	1.1563323	0.93708456	0.7099642	0.7584294	0.709752	0.81847245	1.0082266	1.060673	0.98433965	1,2145565	1.0984297
Phase-1 RCT-185	0.8078513	0.99875396	0.84927297	0.75920314	0.82691497	0.8307931	0.6246023	0.858102	1.146114	0.8600867	1.0458571	1,1121156	1.1010797
Cofflin	1.0956489	1.1438875	1.0554643	0.99722874	0.9519653	1.0301483	0.9227098	0.9106188	1.1469418	0.94545054	0.8915668	1.110541	1.0722455
Stathmin	1.0455275	1.1606138	0.954189	0.94926393	1.0049642	1.0471414	0.9208693	0.9764895	1.0357677	1.0036066	0.9932861	_	0.9606819
60S ribosomal protein L6	0.89889586	0.99355614	0.89889586 0.99355614 0.77152306	0.810666	0.810666 0.81737614	0.8244419	0.8344173 0.83306193	0.83306193	1.1487309	1.0748465	0.8424394	_	0.92316204
Calpactin I heavy chain	1.0554715	1.0851771	0.93090665	0,88336957	0.8508245	0.8461877	0.8057514	0.9869713	0.99518627	0.9299306	1.063261	1,0167985	1.0734273
Collagen type II	0.8841631	0.9022246	0.6746154	0.6951712	0.6951712 0.56130886	0.65145415	0.7143802	0.89403635	1,2328186	0.77511466	0.85238238	1.1090308	0.9010714
Phase-1 RCT-179	0.9822825	0.99797976	0.9629125	0.859571	0.931163	0.96277153	0.8373591	0.9494024	1.0972673	1.0847617	0.8997114	0.8990919	0.903918
Voltage-dependent anion channel 2 (Vdac2)	1.0423484	0.97299546	1.1089727	0.9760979	1.1326138	1.0424485	0.9891527	0.9927568	1,2119931	1.0758541	1.0999397	1.0738385	1.0942107
Phase-1 RCT-192	1.0432427	0.94700664	1.014138	0.95707818	0.9630659	0.98160005	0.9577834	0.9520295	1.3018655	0.9023318	0.8504744	1.0238671	0.8010121
Adenine nucleotide translocator 1	0.7069881	0.94534445	0.47964573	0.4621695	0.4621695 0.46189358	I	0.48687539	0.48030517	1.147787	0.85758543	0.923081	0.99120563	1.0200942
Thymosin beta-10	0.7723865	0.789062	1.0459778	0.93031514	0.8290003	0.8504694 0.84719145	0.84719145	1.0671715	0.9174476	0.9673879	0.9273673	0.8716582	0.8310276
High affinity lgE receptor gamma chain	1.1576936	1.1004995	0.8838586	1.0194733	1.0120776	0.8743646	0.888869	0.9021323	1.1363595	1.0432348	1.0214124	1.0696034	1.0528743
(reckigamma)	10050000	4 090842	A 08475554	0 7400038	0.8185252	4 4537334	1 0010753	O ZOSOBOB	O RODROGS	0.8682198	0 75398284	0 9713573	1 246067
Have relies acreated 2	4 1000238	0.000,000		1 0499B43	0 9004821	1 (7368588		1 1526465	0.8807271	1,0007331	0.9286529	0.94196916	0.8775904
Obsest 4 DCT-94	4 2240824	4 2240824 N GRONF166	0 9309078	1-	١~	1 0201324	-	0.87654805	1.0424504	0.9851233	0.93806463	1.0084438	1.2566462
Obsert DCT 34	4 22020R1	4 0234023	4 024052R	0 0744179	1 050503		+	1 0112945	1 409673	1 1313214	1 1830842	1,2358509	1 2602623
Ordin D1	0.8374793	1 3274584	15	1-	0.9230228	+	0.8343072	1.14126	1 123014	0.7746915	0.8279488	1.0960695	1.101482
Office portein	1 1946119	1 0742306	0.87703	0 9575553	0.8676343	0.857668	0.8568784	0.9134148	1.0012897	1.0960099	1.1123488	1.0877552	1.0173423
Zinc finger amplein	1 0335448	1 1620849	1 0335707	1 095715	1 095715 0 97801733	1 0489175	0 9655274	0.9345885	0.892592	1.2930791	0.9041849	0.957519	0.8497521
Phase-1 RCT-138	1.056592	1.0885966	1.1109831	1.0748842	1.0258257	0.9251018	0.8960264	0.9476354	0.98660934	1,0000538	0.8914349	_	0.92746955
Alpha-tubulin	0.79030246	19	10	0.6681554	1	0.7486613 0.75839555 0.87659734	0.87659734	0.8201845	0.9593689	0.9593689 0.83468616	0.83149076	0.996404	1.1238982
Alpha-prothymosin	0.99940175		0.74001056	0.8766198	_	1.0921605		0.86984646	1.1920507	0.9250034	0.93345326	1.0602723	1.0084984
Catoain 2	1.1024749	0	0.8858175	0.89979076	0.8858175 0.89979076 0.95807296	_	0.830886	0.9250379	1.0055411	1.0074108	1.0113428	0.97409713	0.9663036
Phase-1 RCT-12	1.1269008	1.0064938	1.2899413	1,0430565		1.0749242	1.1955858	1.1723201	0.92846096	0.8764984	0.980214	0.9017626	1.0820802
Cathepsin B	0.8863336	0.85729915	0.9091716	1,1465163	0.83622706	0.956978	0.9188795	0.8879062	0.98085576	0.89816016	0.88592046	0.8679422	0,8338279
Phase-1 RCT-24	1,0492853		1.417487	1.0491544	1.085146	1.0590435	1.3424087	1.1562974	1,1246889		0.84425545	1.0721177	1.2694421
Melanoma-associated antigen ME491	1.0918578	1.1615111	0.8710998	1.0608941	0.8789127	0.94800438 0.85708666	0.857086661	1.1711934	0.9610675	1.9187886	1.1822474	1.0432931	0.9894872
				İ									

Phase-1 RCT-68	4 4457834	4 4902004	4 40055004	, 0040400	1 100000	, , , , ,							
Cyclin G	0.9557893	1 8044132	-	0 9080993	0.8887802	1.0234134	1.0023066	1.0443586	1.045464	1.0570312	1.0127146	_	1.0954431
Hypoxanthine-guarine phosphoribosytransferase	0.93359685	0.8972337	-	-	-	0.89977777	0.86177707	0.838232	1.1129258	0.9299717	1.0987909	0.9387038	1.0728774
Tissue inhibitor of metalloproteinases-1	1.0655102	0.938503	0.90610605	0.89252955	0.950838	0.9467795	0.97398204	0.98894864	0 05656615	1 0004644	0.0054701	4 000822	0.00500764
<u>6</u> -5	0.91413146	0.9573936	_	0.96341586	_	0.87466955	1.017887	0 8925804	0 9001629	1 1181687	0.67724812	-	0.8433445
Ribosomal protein S9	0.92808616	1.0046672	0.8121683	0.8050262	0.84231657	0.91030353	0.8104092	0.83569455	1.06663	1.1360338	0.9508738	1.1176602	0.9068898
Heme oxygenase	1.3939224	1.1699336	_	0.98205984	0.8778708	1.0470786	0.9709157	1.0647852	1.0053705	1.2504977	0.98278475	1.0163479	0.803906
Ribosomal protein S4	1.0336319	0.77654797	0.92599668	0.7863433	_	333	0.75981057	0.836594	1.1908447	1.0642874	0.8912666	_	0.9872188
Nucleoside diphosphate kinase beta Isoform	0.95483506	0.84836203	1 0934058	1 0649ER2	4 0473505	0.9332551	0.84847858	0.835553	1.1353085	1.1709368	0.8701046	1.082541	0.85858025
Phase-1 RCT-121	1.1590191	1.2677963	0.9484252	1.0323154	_	0.98994464	0 9841719	0.90462473	0.86273414	4 0842400	0.0001850	1.04358/2	1.0018204
14-3-3 zeta	0.93471634	1.0358732	0.95117635	0.9930174	+	1.0025388	1 043877	1 107657	1 0867089	1 0050623	0.005.05.00		0.91342030
60S ribosomal protein L6 (alternate clone 1)	0.9951622	0.78815633	1	0.85851187	-	+-	0.87362933	0.90200293	1.1547095	1.0906253	0.91178274	1.0019065	1.0195385
Beta-tubulin, class i	1.228812	0.95614934	1.5873781	0.8874254	1.0625975	1.1444376	1.3345822	1.094264	1.1831266	0.73178226	0.80482703	1.1201948	1.3746914
Organic cation transporter 3	0.92342997	0.9669904	0.8637666	g	293	0.8058525	0.9200178	0.9396762	396	\$	0.79154074	1.0270245	0.9367722
Catherein S	0.7530984	1.0266814		<u> </u>	0.42227265	0.66191316	0.5855487	0.50706996	0.8893366	0.86290747	-	0.68949115	1.287639
Biliverdin reductase	1 0694534	1 112248	1 0203062	1 0.81810015	0.7940272	0.77895744	0.7910013	0.87187	0.91367584	0.9466858	0.90902096	1.0471793	0.9397074
Phase-1 RCT-154	1.1594930	1 0821053	1 2451985	1 0335827	1 107/846	1.000000	0.96349/44	4 024 77777	1.8538349	1.0320388	1.0425723	1.0212481	0.9413747
Phase-1 RCT-293	1.1589872	1.1019789	0.79167145	0.8300292	0.8399776	-	0 77311563	0.8844661	1 0460140		0.95503287	1.0631414	4 0370323
Annexin V	0.81069285	0.9115061	0.7916028	8	185	0.89478683	S	0.88230683	1.2892718	+=	0.76199424	1 1272128	1 0546576
Complement factor I (CFI)	1.1287568	0.95278984	0.8749739	_		-	-	0.93366283	1.0352032	1.0682417	0.7818894	0.97330207	0.9011235
Phase-1 RCT-278	1.078149	1.1735798	979		0.97972228	0.98391994	0.9556602	0.93848664	1.0179839	1.0932926	1.0003614	╅ळ	0.81815094
I yrosine aminotransferase	1.0081086	1.8485187	9	0.50107473	0.8231771	0.93490267		0.91681457	1.480053	1,0404547	0.8643437	1.1193905	1.1165731
Littlefing and all appropriate	1.1649842	0.67515457	1.3031867	₹ 1	1.1454928	1.1001376	1.1346015	0.70119596	1.0520985	\rightarrow	0,808008	0.9147712	0.81573784
Carbonic sobudiase III semisos 2	0.8504877	1.0941741	1.3701631		-	0.9783041	0.6549906	1.0245805	1.2539189	-	274	0.81735253	1.1997936
Phase-1 RCT-02	0.0201003	1.101001	1.0302323	1.0000406	0.748/89/4	0.91378003	0.6676382	1.037949	1.240268	0.82551783	0.76464206	0.7579282	1.1513846
Transitional endoplasmic reticulum ATPase	1.1144913	1.1912084	0 78030443	0.8345696	0.9309417	0.8440783	0.8518222	0.6771736	1.232595	0.8268875	1.0285312	20853417	1.1797591
Phase-1 RCT-88	1.0759416	1.2034101	1 0042759	, ,	0 93444335	-	0.0333902/4	0.7370725	4 4477777	0.92888485	0.875/6/8	0.9123844	1.0203118
Phase-1 RCT-296	0.9569739	0.8582792	1.0267756	. _			1.1878276	0.8830714	1.1312678	-	0.6869582	1 2119734	7.7547690
Phase-1 RCT-161	1.0945604	1.0139138	0.819258	0.7258421	0.91498595	0.87908864	0.7429916	53	0.90019166	0.7632391	1.070837	1.0837693	1 5882101
Glutathione S-transferase theta-1	0.878427	0.9647585	0.99149543	6	_	0.92532897	0.8431193		0.87839603	0.49838537	0.63668317	0.65782213	1.2326202
Dissect DCT 482	1.1421751	1.168279	0.9413164	-	0.93945116	1.0177328	1.1125828	1.1178744	1.161755	3	0.92953336	0.9598128	0.9031051
NK1 stress activated notation idnase	0.84730893	1.0397791	0.7831731	0.8429429	0.81632745	0.9725926	0.80550396	0.7633097	0.7731283	-	0.78082126	0.949823	0.8184827
Phase-1 RCT-81	0.01010	0.76230037	1.1132449	1.2010175	0.9341255	1.0188972	1.1004592	0.92710394	0.9353724	0.9236269	1.0434995	1.0574105	1.1520783
Phase-1 RCT-33	0 8898896	0.87396353	1 5780809	1.030/33	1.0455397	1.510/58	1,0398685	0.8800444	1.0603282	1.0843357	_	-+	1.0110198
Phase-1 RCT-178	0.6895805	0.743406	1.8198166	0.9912769	4.	0 8736844	1 0929282	0.0747200	0.7484747	4 422022	4 2021827	0.00513553	4 0422020
Apolipoprotein CIII	0.93274456	0.93514663	0.90710926	0.8639609	-	0.86707834	0.7750191	0.88043934	1.1074739	1.0116828	1.062951	0.9106597	0 9860711
Phase-1 RCT-98	1.167825	1.1131845	0.9369493	1,009007	1.0517182	1.007518	0.9938309	0.9800997	0.9941011	0.966181	1.0519491	1.0575081	1.1521331
NAUN-cytocutome by reductase	1.192851	1.0219376		-	0.7384718	0.8285973	1.0280107	0.84130514	0.9148298	0.83594424	1.1188066	1.050827	1.0733604
Obere 1 DOT 222	0.94624627	0.9059076	<u> </u>	-	0.80527216		2	0.74718994	0.82563776	0.8081589	0.78118896	0.91631407	0.788213
Paraxonase 1	1 0020653	0.88605614	1.0780044	1.0998046	0.96017087			1.0244256	1.0854434	_	0.97564393	0.9465771	1.0613137
Presentin-1	0 98718935	0 9209028	0.07.037		0.01224145	0.707365	0.67923373	0.62595284	1.1025195	g l	0.86260515	1.0941684	0.9917534
Apolipoprotein C1	0.9825961	1.159985	0.8233021	-	0.74056764	70633733		0.10493977	4 0450432	1,020/1/6	0.82493516		0.85556376
Cytochrome P450 2C23	0.9814393	0.9565458	0.98707175	0.9373009	8	0.93669724	-	0.70145744	0 9939448	1 1111925	_	0.0/03420	0.82343343
Phase-1 RCT-227	1.1679405	1.0021831	_	_	0.74417283	0.8452017	0.6879952	0.76488924	1.1789032	1.5770384		0.97579616	1,0903181
Hepauc lipase	0.7965629	0.83866256		0.60592514	0.66033167	0.7850535	0.79254097	0.5821798	1.1251222	0.6799703	1.0430275	0.89258894	1.1142149
Phase-1 RCT-164	0.8532649	-	1.0821102	1.0977409	1.047336	1.0390987	1.0663508	1.0163997	1.1685184	1.0252593	0.9875138	1.0063412	0.9972071
Mutualing resistant protein-2	0.8116767	0.72092285	0.9878545		1.1164813	0.9513398	1.0366532	1.0207151	0.8855845	1.0431606	0.8054094	3,83145714	0.7792258
N-hidman 2 conforming come estatement	0.75545245	0.8662008	1.2535574		_		:=+	1.0082982	1.3872732	0.833457	1,0006926	1.0401957	1.1763947
(ST1C1)	U.SU83827	0.880548	0.82286	0.6327095	0.7273149	0.72810525	0.44323933	0.88878417	1.0856069	1.0558393	0.8776359	1.1009021	1.0590694
Oynamin-1 (D100)	1.163745	1.0504559	0.96143854	1.0309279	0.9937413	0.98861444	0.9982142	1.0112592	1 0924703	0.96865565	0 97484094	0.0588119	1 10RARSA
DNA polymerase beta	0.836895	1.0333169	0.9122549	0.8274902		┸	0.79786307	0.8689438			_	1.2063758	1 078165
					4	4			_			1.000.00	

Phase-1 RCI-173	0.9259898	0.97009766	0.9899864	1.0957845	0.95501757	1.0390466	0.8508195	1.081977	0.7316827	1.1358281	0.9940911		1.084028
Outquisti Cotyoganing etizytine (roch o notingges)	0.032020	1.05050.1	0,016/1/3			0.97.316235	0.908/061	1.0000000	Z8887 / 0°. L	1.0538842	0.8822252	1.0978848	1,91689584
Ribosomal protein L13A	0.9153389	0.71342987	1.2782404	1.1156323	1.0607251	1.0341544	1.0566301	1.1029173	0.95553935	1.0579708	0.8807319	0.87151285	0.8388116
Phase-1 RCT-144	1.2078208	1.1315463	0.8841462	0.88611853	1.0560048	0.9422835	1.3572382	-	1.1832355	0.9952699	0.9862852	-	0.94501215
Vesicular monoamine transporter (VMAT)	1 3577201	1 1107303	1.2542647	1.13231/4	1.155//41	1.1694304	1.1070304	1.1454986	4 0171547	1.063653	1 1877884	1 1038782	0.90064244
Phase-1 RCT-273	1 2482009	1 0463893	0.98558435	1 0303439	0 9598427	1 0142138	1 0191325	1 0514371	0 8055237	1 2301352	1 162107		0 98304266
Phase-1 RCT-230	1.1968086	0.9884104	1.116379	1.1287479	1.0906312	0.978582	1.1082714	+==	0.95654005	1.1562042	1.1512678	4-	1.0404675
Phase-1 RCT-74	1.2256181	1.0811604	1.0387946	1,0395913	1.0739472	1,0010178	1.0240707	1.0681986	0.8041286	1.0905281	1.2108192	0.9818388	1.1560347
Phase-1 RCT-80	1.1734865	1.0492282		1.0517682	_	1.0076007	1.0882748	1.2031457	0.8912897		1.2768317	1.0777216	1.0128786
Phase-1 RCT-158	1.2110095	1.2489781		0.99963576	_	0.98555094	0.9600318	0.9539014		_	_	0.9174224	0.8537157
Deoxycyddine Kinase	1.4006208	1.0196227	1.0107285	1.1015791	1.1619099	1.0184865	1.112991	1.0182487		-	_	0.87961674	0.7826121
Inosito polyphosphate muturianese (ipmic)	1.0365821	0.98569506	0.97408104	1.0404209	1.0294106	0.9485223	1.0285974	1.0200483	96'0	1.0696896	_	1.0790672	1.0238128
Neuronal cell adhesion molecule (NrCAM)	0.99397534	0.93811524	1.0275081	1.1244836	1.0822332	1.1309347	1.4707499	-	0.7605791	1.1749704			0.982686
Email Section of the section of the	1.0001803	4 0643706	1.064/012	1.1/24501	1.2/91624	1.1090693	1.65/350	-	0.02640344	1.14/1/14	1.720000	-	0.96512425
Docamine recentor D2	0 9735184	0 07007683	0.97034424	1,0013300	-	1 0246404	4 107543	0.0905278	1 2202303	0.082442	1 0254171	1.0018033	1 1207472
Phase-1 RCT-51	1.368544	12340624	1.0846267	1 095361	1 0603758	1 0246074	1.1389792	-	0.98631354	1 0017756	1 0927024	1.0223778	1 0533387
Four repeat fon channet	1.237426	1.1188577	1.032285	0.9721668	1.0464317	0.9850679	1,0506669		0.89754805	1,1731018	١.,	_	0.93401325
Adrenomedullin	1.5238719	1.1397445	1.0016323	1.1498233	1.1131228	1.0471852	1.2060229		0.67788893	1.3921436	-	-	0.84493023
Caveolin-3	1.182052	1.0349427	0.92878675	0.95917845	0.9455404	0.9008501	0.97697484		0.838822	1.0947324	1.1336966	0.9459022	1.0545743
Phase-1 RCT-129	1.1662989	1.01828	1.0808021		0.96486634	0.9789132	1.0313575	1.0980543	0.84073555	1.0931797	1.1867175	1.0971638	1.0114973
Phase-1 RCT-84	1.1538447	1.183551	0.95977044	0.9647449	1.1703126	1.0366036	0.98036474	0.968217	1.0171539	1.028693	1.017443	1.0499127	1.0020676
Sarcoplasmic reticulum calclum ATPase	1.0424198	1.0811398	0.8161457	0.8651067	0.8474566	0.8393735	_	0.94837767	1,0891873	7	0.99600315	1.0052936	1.0280753
Phase-1 RCT-79	1.2373627	1.0220457	1.08855	1.0817788	1.0752407	1.0025477	1.0640537	1.0007478	0,9953311	1.0783892		1.0857148	1.0502185
Phase-1 RCT-252	1.0457062	1.1593858	1.2499156	ळ	1.1343902	-	1.0650061	1.0795904	1.1321471	1.1859007		0.97352415	1.0636984
Phase-1 KCI-151	0.94124436	1.0289825	1.0702791	-	0.83441865	_	0.94550186		0.9584015	0.8876206	-	0.98726904	1.0896717
Prizze-1 RCI-70	1.0///615	44420664	1.10157	1.0128226	1.044873	1.0572181	1.0397488	1.0896398	0.96638167	1.0922894	_	0.8735832	1.3330436
25 hadmonitorin Da 4 ofthe hadmadore	4 4500077	1 484495	4 4059459	4 054 5 405	4 0000043	4 0424202	1 4450242	0.0050004	0.000/000	1.1408401	0.5000002	0.0010100	0.0042654
Phase-1 RCT-119	1 2956392	1 1534467	1 0992038	1 1123093	1 100944	1 0226914	1 1038182	_	1 0681898	4 2088885	1 1857121	1 090093	1 1293224
Peroxisomal 3-ketoacyl-CoA thiolase 2	0.82117605	0.80708694	1.1354029	1.2043141	1.1186744	1 2886838	1.1036228	1.3057339	0.9171656	1.0702373	1.0818802	0.7408308	0.9855904
Phase-1 RCT-146	1.4474351	1,4390084	0.91926855	0.9919388	1.0510813	1.0046166	1.0213746	1.0009739	0.9290537	1.0654278	1,0088149	1.0845692	0.981095
Superoxide dismutase Mn	0.9846898	0.807842	1.4188679	1.0828524	1,2205307	1.1197899	1.0768788	1.1350104	1.1116402	1.0823654	1.0181247	0.9709012	1.1036159
Phase-1 RCT-115	1.2968917	1.0473993	1,1028868	1.1539742	1.1811925	1.1409703	1.1622535	-	0.70662826	1.0806592	1.1213825	1.0542938	0.9970416
Alpha-1 microglobulin/bikunin precursor (Ambp)	1.0114069	0.95753765	0.9742202	0.939552	0.903801	1.0374234	0.8097115	0.9424318	1.1227962	1,0573705	0.966149	1.0744686	1.0001813
Phase-1 RCT-18	1,0915126	1,0348438	1.0204103	0.9894295	1.0363389	0.9824033	1.0130593	1.0408069	0.9990239	1.008132	1.0330995	0.94380087	0.98494095
Maspin	1.3348398	1.0943972	0.94964314	1,0901109	1.0471873	0.9848814	1.1254734	1.0565989	0.8527701	1.1742934	_	_	0.9181093
Decorin	1.3143756	1.0050756	0.5047364	0.56254447	0.5224971	0.52818614	0.54028964	0.6758401	0.90618885	1.2871516	1.1246088	0.9970209	0.8094235
Retinoid X receptor alpha	0.81201833	0.7956547	1.0102285	1.103093	1.0964313	1.0700383	1.1867995	1.1043088	-	0.85001113	1.0220878	0.964001	0.9706469
Celtutar nucleic acid binding protein (CNBP)	0.8027088	0.8188231	0.8325287	0.72232753	0.7907036	0.76623803	0.74786776	0.8000132	1.0316664	0.9295343	0.8934838	0.9949008	1.0246934
NADPH cytochrome P450 oxidoreductase	0.8384586	0.83724797	1.4898397	1.3536533	1.2210888	1.4022211	1.6690288	1.3055199		1.171578	1,1249125	0.9905728	1.0957007
Malic enzyme	1.2600942	1.1720154	0.9485513	0.91543573	-	0.968275	1.3543574	0.8326716	_	0.61323154		1.1307508	1.1531081
Caspasa	4 4450996	1,000,000	0.9704605		1.0549/29	0.89764057			_	0.96503204	-	0.8/52/4/6	1.100092
05500C	0.839082	0.8588582	0.00/3001	1 06501433	1 1191505	1 005358	1 0024687	1 0303854	0.39233720	0.85277285	0.0920004	1.0000019	0.9143020
Poly(ADP-ribose) polymerase	1.0731474	1.0832943	0.99842024		0.98704803	1.060549	1.0054917		-	_	0.9991729	1.0011454	1.029419
Tissue plasminogen activator	1.1202401	1.0666279	1.0397718	0.9864039	0.99932224	0.9744575	0.9928303	1.0137897	1.0537682	0,9543054	1.0671182	1.0410353	1.0798628
Multidrug resistant protein-1	0.7878397	0.8503421	0.99180975	0.9714757	1.1281227	0.91766363	1.0657707	_	0.46335766	2	1,1036029	0.8338357	0.8473235
Phase-1 RCT-207	0.99105245	1.0285404	0.9452741	0.8719889	0.88008498	0.93275267	0.8542062	0.9952722	0.8909985	1.0690686	0.96978045	0.8851261	0.9768459
Phase-1 RCT-181	0.9684997	1.0190814	1.4127065	1.0719204	1.0840853	1.1825291	1.3157303	1.0776811	0.99203086	0.9862884	0.8542957	1.0564018	0.8656041
Gap function membrane channel protein beta 1	0.9741323	0.77976716	2.0753279	1.9490429	0.9713983	1.727148	1.6838608	1.573117	0.7520576	1,2235538	1.5970058	0.8186546	1.435217
Aguaporin-3 (AQP3)	1.300238	1.1355637	0.8886746	0.92152333	1.0280287	0 92815304	0.80899074	0.92183554	0.9837914	0.9868083	1 0026027	0.9955408	1 0201402
Myelin basic protein	0.82113564	0.82259727		1.0926591	-			_	0.76206666	┺-	-	0.81371695	0.8303029
Calgranulin B3	0.97203416	1.2430694	0.99447197	0.94546235	0.96070373	1.0579875	0.9639002	0.9488586 0.97669196	0.97669196	- -	56306	1.0234357	1.0269551
			ł										

Proteasome activator 28 alpha 1.25		7.97090834	1.0422528	0.9607407 L	3,92531216	0.9820789	0.92396104	0.9336618	0.9608464	0.85014036	0.9285223	0.9743834 0.97090834 1.0422528 0.9607407 0.9251216 0.9820788 0.92306104 0.9336518 0.9808464 0.95014036 0.92055223 0.9205525 0.84996456	0.84996456
	557881	1.2557881 1.1518234 0.6509741 0.65945895 0.7278985 0.7278985 0.7106207 0.6948155 0.69500973 0.8277978 0.82098424 1.0101173	0.6509741	1.65945995	0.7278985 (3.78140306	0.7106207	0.6948155	0.98500973	0.8277978	0.82098424	1.0101173	0.9263962
			-	_		_							
(1) Gene expression data for 72 hour timepoint are presented as most ratio of treatment/control													
for all 72 frour predictive genes (Table 23).													
(2) Compound and dose abbreviations as in Table 1.													
(3) Individual animal number	-				-					-			
(4) Liver inflammation dassification for compound													
dose group at 72 fr yes-near, nearosis observed; yes-both, nearosis with inflammation observed;													
no, no histopathology observed			•										
(5) Predictive gene (as in Table 23 and as included in Table 26)													

Table 30. Expression Data for 72 Hour Timepoint													
						1							
Campound-Dose (2)	KETO 80	LPS 2	LPS 2	LPS 2	METS	NAL 180	NAI 180	NAI 180	MAI AS	MALAK	NAT AR	00 00 00	00 0000
Animal Number (3)	239	.347	348	348	238	128	658	2859	C#	2848	2640	15	PDAK6 20
Liver Toxicity Inflammation Classification (4)	20	92	2	2	no n	-		9	22	2	8	_	2
Dhace 4 Det 407					_	_							
Retains homogenias mathatransferres (Bullett	U.//611244	7952659R'O	1.6675018	1.318598	-+	_+	0.82431847	1.1768436	0.8031592	0.94859457	0.9083006	1,5979345	1,0028946
Proliferating cell ructear antigen cene	0.99863377	0 7836894	0.8005540	1.282184	4 8337636	1.1963247	1.5138712	2,465419	1.4516473	1.0031781		3.905292	2,6158795
Cytochrome P450 2D18	0.7026509	1-	1.203407	-	0.85450006	1 0298856	1 0851332	4 4026538	4 4 205 207	4 4424602	4 4004444	1 9700400	1.1742791
Cytochrame P450 2C11	1.2789942		1.0719885		2.4186213	1.0194743	0 9457714	0.8573985	0.7637638			0.00572505	0.000000
Phase-1 RCT-290	1.2459372	1.2137754	1.1844711	1.1639888	0.7509206	1 225132	1 4778811	2 0895183	1 3822418		_L_	2 847860	4 8048000
Phase-1 RCT-59	1.1382359	0.9400855	1.0823636	1.1628749 0.94103867	-	0.95268834	1.1535532	0.9350572	1 0512877	1 1766977	D R5026234	0 88797474	0.846890
Beta-actin, sequence 2	1.0264846	1.2887661	1.4419211	0.91949546	-	0.89963114	1,2185603	1.3021172	1 1175635	1 0407415		1 1100042	1 2222052
Phase-1 RCT-292	1.0440986	0.9189843	0.8924922		٠.	1.0615056	0.9346614	1 15737	0 986367	0.9728045		1 2172015	1 1607278
Pyruvate kinase, muscle	0.9397318	0.9281352	1.1484793	1.0003225	1.037163	1.0201123	1.0586416	0.9792394	1.0495372	1.1428627	1 0728794	1 0011788	1 0607005
Osteoactivin	0.97043985	1.1499738	1.1109719	1.073597	0,8607398	0.9489654	1.0668236	1.0490656	0.9978581	0.9147662	0.98913664	1 1000005	1 0104872
Catgranulin Bi	1.221727	1.1237944	_	0.89041394	0.91089857	0.8845449	0.8745469	0.94682753	0.8478723	0.8762057	0.94287278	_	0.81929123
Apolipoprotein All	0.6444051	1.2653373	2.9859982	0.7418725 0.39403906	0.39403906	0.6888653	0.6023305	1.1117387	0.5854952	0.6310688	0.6820002		1 1971053
Connexin-32	1.116451	1.0479386	1.112441	1.0640237	1.038749	0.91740555	0.9152579	1.1230646	1,1060958	1,222138	1.0914255	1.1723491	10515654
Phase-1 RCT-109	0.8263656	1.3273343	1.5537783	1,0129572	0.78416854	0.99913245	0.97060156	0.9787259	0.9652577	0.9944954	0.9818392	+	0 92860895
Glycine methyltranslerase	0.61405957	0.3518358	2.5294402	1.966806	0.9882745	_	0.7576993	1.4146914	0.75425595	1.0164379	0.93615264		1 1170149
L-gulono-gamma-lactone exidase	0.9929116	0.99574655	1.2408891	0.906205	0.9956278	1.2316455	1.3642071	1.4790386	1.2074089	1.4930553	10489926	1 1593014	1 203513
Phase-1 RCT-256	0.8963697	1.224038	1.4841219 0.94992805	0.94992805	0.7052431	1.0627869	1,1065077	1.6865536	1.1819707	1 0024486	0 98126614	1 4931700	4 464568
Carbonic anhydrase III	1.0903949	0.5363712	1.4875615	0.7744769	0.6823454	1.0958067	1.2647796	1,1706291	1 7479624	1.383605	1 2811372	1 5007527	1 3487368
Phase-1 RCT-78	1.0116067	0.99130625	0.7771417	0.7548003	0.96538734	1.0002902	1.0339024	1.393094	1.2268869	0.8361455	1.1376109	1.4763999	1 6079495
Unitary protein 2 precursor		2,222958			0.35709143	1.0183364	0.9484351	0.92198807	1.1001531	1.0795641	0.992469	-	0.8513841
And entitotransformen	1.0685615	0.91992724	0.9220709	-	0.8528367	_	0.82985808	1.3047029	1,2433594	1.0888092	1.2108288	1.1052854	1.3137918
Phase-1 RCT-185	0.4483742	1.0005056	1.108646		0.83247095	_L	1.0158004	1.8164462	1.1566014	1.1529832	0.8945543	1.8261693	1.3384303
Coffin	0.83100724	1 5354941		1 0044400	0.7200132	1.1966113	1.20/1902	1.3260621	1 2685473	1.1494666	12827344	1.6806355	1.1518676
Stathmin	1.1128814	0.9287383	1.1438521	-	0.93191797	1		0.007803	0 8005404	70000	C/126901		1.3372864
60S ribosomal protein L8	0.8119853	1.2581455	1.1350762	+	0.8559651	1		0 93617684	1 0567036	1 1287233	1 1859625	4 07/07/4	1 0224245
Calpactin I heavy chain	1.0966058	1.0108827	0.9878622	1.1768284	1.1698265	1.0534219	+	0 97133696	1 0355658	0 99769986	_	0 07733474	1 4046562
Collagen type II	7	155	0.83234537	1,3210893	1.7413026		0.81962615	0 7320131	0 68779646	0.237.03300			0 77750204
Phase-1 RCT-179	0.82558376	1.1276257	1.0826172	1.0281196	0281196 0.77199884	_	0.8967619	1.0041624	0.9788885	1.0535889	+		0 9013792
Voltage-dependent anion channel 2 (Vdac2)	1.0732532	1.3107479	1.04514	0.8641897	0.98099595	0.9435917	1.1651349	1.2287755	1.0613744	1.0436698		1.0756252	1.1605604
Adopto midodida forminada a	0.84116364		0.95282155	1.0256162	0.8426656	0.9880742	_	0.792768	0.90306103		0.89179208	0.9287247	0.7198588
Thursely hele-40	0.91587385		0.64735746		0.9250249	0.8480772		0.70293045	0.768063	1.0408248	0.87279135	0.7183836	0.84905108
High affinity loff recentor commo choin	4 449054	1.3834974	1.3242525	1.1440005	_	1.0216744	_	0.82067645	1.0036772	1.008284	_	0.89819133	0.9410115
(FCERlgamma)	†C801	01/2010/1	0.8459187	1.1436844 0.799265/4		0.86334875	1.0869501	1.0565835	1.1030726	1.0750806	1.0251201	0.9597281	1.0188864
Gamma-actin, cytoplasmic	1.0352285	1.009393	0.47606692	0.76844454	1,112652	0,71734047	1.1920035	1,3997043	0.95825946	0.7677951	0 7559A7B	JCC4400	0 08588735
Uncoupling protein 2	_	1.1124645	1.1466694	1.2895688	1.123848	0.96035	1.1411488	0.85838073	0.904999	0.9193886	0.8503677	_	0.91579723
Phase-1 KCI-34	-	0.90861446	0.9998975	0.7863147	1.4250698	0.8232332		1.034958	0.8104764	+	0.83522654	_	1 2096716
Phase-1 RCT-31	0.82939297		0.89414537	0.6957013	1.0453682	1.0784969	1.340565	2.1603043	1.226035		1.0208481	2 2375855	2 870828
Cydin D1	1.1185472	0.7388634	1.4721022	0.5383818	1.5486716	1,2570727	1,164803	0.7293428	1,2139559	1.0504048	1.1382887	+-	0.76686874
ige omaing protein		1.2629712	1.2220999	1.3836443	0.8553076	0.8255485 0	0.88453424 0.90282893	0.90282893		0.95467794	0.8858375		1.0450615
Phase-1 RCT-138	0.9576428	0.83430934	1.0678099		0.9106594			0.90033305	0.854264	0.9433262	1.0675773	ш	1.0073584
Aoha-titudio	0.0830.085	+-	1.1300304		0.89116415	_	_	1.2239394	1.0084654	1.0051487		1.2918928	1.2019229
Alpha-pothymosin	0.5050505	+-	-	0.61690395	1.5/41191	4	1.2658547	0.8089383	1.1181636	1.4371778	_	0.79046243	0.7937493
Calpain 2	4 0000000		0.000000	0.7820702	0.9486316	<u>.</u>	1.3827416	1.4588745	1.3084159	-	1.1445888	1.6149164	1.9328578
Phase-1 RCT-12	1 0643618	1.1035/86	0.94098103	1.0115924	0.9907947	_	-	0.94035053	1.0199475		0.95831126	1.058296	1,0259593
Cathepsin B	0.84119093		0.823 430	0 98188204	1 185330	1.044.30b8	1.0694181	4 20503031	0.930748	0.9939669	0.98144215	0.88277906	0.8925366
Phase-1 RCT-24	1.1398975	1.1975793	-	0.8646196	1 1449762	4_		1.3039362	1.1550395	1.1422342	1.103397	_	1.3070632
Melanoma-associated antigen ME491	1.0623997		1.1614159	1.1374	4-	1		0.70400130	4 0248006	0.9308486	4 2444555		0.8135715
					4	-1	-1	0.50% 1007	1.02103001	0.80102071	_	0.8442448	0.9755926

Dhase 1 DAT 69	1200000	L	L										
OF THE PERSON NAMED IN COLUMN TO PERSON NAME	0.9659874		1	1.0812482	1.0751817	0.9742795	1,037109	0.99301213	1.0307137	1.0123672	1.0937538	0,85023785	0.916113
Homestelle and a specific street of	4	0.760813	1	0.9900767	1.5553488	1.1315626	0.90790707	1.6564716	0.9056975	1.0368377	0.9167758	0.9701449	0.8977948
o y possinimi re guardinime paragramonosymansica ase	0.986229	0.84232646	0.789869	0.8577602	1.4547588	0.94145805	1.2987282	0.86676514	1.046779	1.2005963	1.173632	0.7932474	0.835735
Tissue Inhibitor of metalloproteinases-1	1.0744967	1.0057772	1.2083454	1.5195378	1.7240096	1.2276542	1.1589249	0.88968694	0 9107084	4 00G0857	1 00/4503	1 2820684	4 0437393
-0	0.8233485	0.7499212	0.99706817	0.94381285	1.7257318	0.9418648	1.019514	0.8000023	0 90817344	1 0195991	0.0345050	0 7068260	77007000
Kibosomal protein S9	0.8330949	1,3565247	0.9008379	0.9440257	1.3449265	1.410058	1.0802819	0.75081486	1,0381054	12888178	10	0.67858875	0.30825344
Discourd and the Co	1.2070799	0.8551037	1.2530507	1.032837	0.9956706	0.8289228	1.0682218	0.9523256	1.008816	0.94060606		0.854371	0.9872379
Dibooms protein 58	0.8573498	2.0813803	1.1853193	1.0681615	0.61524343	1,0995412	1.0208149	1.0958484	1.0617156	1.0118034	1.0352688	1.1578768	1.1258156
Nichosida dishosolata kinasa bata indeas	0.8999066	1.9184402	1.0321016	1.0209662	0.8382872	1.0374518	0.9893299	0.9635388	0.98064667	0.975534	1.022062	1.1225786	0.9085316
Phase 1 PCT.101	1.113486	1.0417342	0.73695004	0.8210776	0.8109011	0.93407625	0.867805	0.8120618	0.82403564	0.7866095	0.85739654	0.86419547	0.84504455
14.3.3 zeta	1.04 1 1097	0.722234	1.3386292	1.1164314	1.0499172	0.8637909	0.76066697	0.7964258	0.7506802	0.8171266	0.84950465	0.70607364	0.71434263
60S ribosomal omtein i 8 (alternate Appe 1)	0.00012	4 5547030	0.9200957	0.900279	1.8451011	0.7545614	1.2013283	1.0731572	0.92032045	1.1000648	1.090074	0.8514728	1.4176291
Beta-fubriin, class /	1 11/1030	4 4390777	1.1464562	1.011876	0.69120485	1.0300326	1.112784	1.1594827	1.0054084	1.018145	1.0005444	1.1405401	1.1024618
Organic cation transporter 3	0.1141939	1.4300772	0.08/28683	0.9894317	1.0295627	1.033891	1.1811792	1.0480233	0.85741746	1.0585823	1.0105604	0.7786593	0.92899495
Beta-actin	4 0549796	1.2300339	_	1.0661366	-	1.1415148	1.1856589	0.8398094	1.0815742	1.0635039	1.1265732	1.0643888	1.0734483
Cathensin 3	4 4004085		4,0003444	0.7546243	-	0.40689474	1.3621112	1.5519385	0.8890583	0.89771765	0.7450988	1.0467507	1.2063875
Bilverdin reductase	4 406494	0.9767874	1.098088	1.0983486	1.0561284	0.8828356	1.1588076	1.1907812	1.3037747	1.381804	1.0594404	0.97843858	1,1090113
Phase-1 RCT-154	0.0040000	0.00140000	1.0045004	1.13///83	1.5/52/49	1.1467558	1.2478743	0.9228338	0.98994565	1.0863231	1.0942054	0.84918946	0.87030095
Phase-1 RCT-293	4 0488287	4 93034	1.0656397	1.1508584	1.1550199	1.0118535	1.1629112	0.9255705	1.0843228	0.92384017	_	0.89678895	0,8652214
Annexin V	1000000	ACRECE I	1,0/451/1	1.1238401	0./9315454	1.0828778	0.9594031	0.97539777	1.012319	1.0022143	0.99624693	1.1142173	1.142178
Complement factor I (CEI)	0.9000901	U.65296863	0.9704871	1.213216	1.3261613	0.9173401	0.9495528	0.9861434	1.0417982	0.9294087	1.2255098	1.1607822	0.8174758
Phase-1 RCT-278	0.05130234	1.5623383	1.00/8145		0.9500461	1.1923654	1.1869881	1.2836167	1.2340344	1.1100818	1.2331743	1.3581389	1.4309838
Tymosine amindransferase	0.13440/4	1,030,004	0.8710814	0083208	0.80844796	1.2526957	1.4249572	1.0068464	1.4035075	1.2432508	1,3366963	1.2722715	0.9950092
Gutathione peroxidase	0.6808007	2 4079000	1,0004331	U.369U5Z	0.7323084	1.263634	1.5440086	1.8828937	1.2991122	_	1.2366178	1.8742124	1.8154205
Histidine-rich alvoormitein	0.565550	2 2057005	1.15/609/	7075	1.0257491	1.1557893	0.949688	1.1910093	0.8998239		0.82617074	1.1240109	0.9920865
Carbonic antindrase III, sequence 2	0.72484225	2 1553085		0.0000003	0.636/9624	1.2712685	1.1781503	1.4182988	1.1354371	1.1834233	1.0974842	1.4050097	1.1164081
Phase-1 RCT-92	0.8556971	1.464537	_	0 8494544	0.0003301	1 1740715	1.1003/00	1,43/0353	1.1/64/54	1.25/4633	1.1108578	1.9451598	1.4341486
Transitional endoplasmic reticulum ATPase	0.8473463	0.9245597	0.6517322	0.9946396	1,2180117	1 3206083	+	0 01563886	4 20/3200	4 4202047		1.3887099	1.1604695
Phase-1 RCT-88	0.8448252	1.5192282	0.94755745	٠.	0.73118925	1 2516576	100	0 9704338	1 1471037	1 155637	4 0646969	4 0045442	0.0339009
Phase-1 RCT-296	0.86820364	1,5656447	1.0966456	_	0.7536325	1.2078798	1.1132437	1.2348603	1.1904224	0.9897831	:+::	2 6	1 2480665
Phase-1 RCT-161	1.22853	0.8849035	1.0548177	0.9985113	0.91440856	0.97293866	0.7738248	12	0.86358106	13	0.90338784	+-	0 97252566
Guarrigne S-transferase theta-1	0.725578	1.0794172	-	1.1614978	0.9622586	1.1447628	1.3846014	1.1876476	0.9556687	62	٠.	٠.	1.1913857
PIRRE-1 RCI-108	0.8579966	1.022048	_	0.85437113	1.0255928	0.9884142	1.3314279	1.091761	1.2204013	1.1140236	1.3835763	1.0000857	1.0115515
Mitt described	0.76925725	1.0987351	0.8136286	1.0425428	0.9783019	1.0244274	1.0027686	1.0875828	1.2065489	1.1050578	1.0749513	٠.	0.98245925
JNK1 Stress activated protein kinase	0.8088606	1.0917792	1.2398584	0.9435091	0,7767964	1.2117618	1.2807126	1.8793037	1.1874931	12867584	0.93430847	-	1.3127513
Dhace 1 DCT as	0.87867564	12623347	515	_	1.0568058	1.218669	1.2427287	1.2024243	1.2989204	1.0859071	1.2039735	1.3928008	1.4242733
Phase-1 RCT-478	0.9320778	1.1280856	-	_	0.91349304	1.0874577	1.701169	0.9873421	1.321114	1.2540448	1.3018064	0.978245	1.0170299
Apolioopotein Cili	0 8082702	4 0400027	1.1044044	0.99603416	0.99358153	1.4507775	1.9818085	0.8856025	0.8861756	1.0405354	0.8400354	1.2790985	0.5715975
Phase-1 RCT-98	0 0800253	0.00435248	+	0.802000	1.2010201	1.0963252	1.23486/6	1.1810548	1.2675391	1.4012952	1.1493348	1.3965524	1.2922933
NADH-cytochrome b5 reductase	0.8600883	12772608	0 6212825	0.8725542	4 448/347	4 3064696	1,0130074	1.0595042	-	1.1183951	1.050586	1.2098362	1.1651249
Alpha 1 - inhibitor III	0.7434328	12399553	+	0 88782597	0 8373606	1 4008822	0.2088051	1,3001397	1.1834355	4.00070000	1.170126	1.2181643	1.2781003
Phase-1 RCT-233	0.8948451	1,3966143	g	0.99854183	0.9051749	0.9585473	1 4739169	1.0001043	-	1.092/020		1.91/0938	1.9191/68
Paraoxonase 1	0.7644303	1.704653		٠	0.93684024	1 1295761	1 1853142	1 2894782	1 1585777	4 0002849	1.0002323	4 4267934	1.0/49812
Presentiin-1	0.82768065	1.2522312	0.946695	0.95510083	0.931981	1.1041774	0.7235389	1.6484641	1.1816046	1 0369233	1 2305005	1 0073344	4 0047850
Apolipoprotein C1	0.6731924	1.7300364	0.795972	0.6529711	0.51177686	12117387	1.2138997	1.4307657	1.3140316	1 093269	1 0397438	4 4583484	4 4304459
Cytochrome P450 2C23	0.6708217	1.3827858	0.9084136	1.2304703	0.68273604	1.037053	1.1369281	12	0.98901653	1.017398	1.1359179	1 488157	1 4568234
Heratic linear	0.8728708	1.0237017	4-	0.44964242	0.7718899 (0.85642076	0.89533895	1.7193093	1.2624382	0.8183033	1.021913	2.1500123	2.136068
Dhase 1 Dr. 1484	0.84913065	0.86503947	0.6505049	0.7477098	1.5341365	1.0731765	1.3926767	0.8936433	1.0582758	1,0603793	1,107001	0.803353	0.6597176
Mulidana meletant andala 3	0.90209764	1.1018918	1.0118599	1.0524917	0.7532137	1.2028285	1.1952517	0.8994938	1.2652526	1.3414037	12770928	0.890294	0.8844867
Instituting resistant protein-2	9	0.7489455	_	1.1954582		1.1518694	1.3727981	0.9021665	0.8569303	1.1612363	0.9379889	0.8302945	0.8297809
N-hydroxy-2-acetylamipolitograpa eudintranefarren	L	0.03702947	-	0.7535/413	-	0.98630285	0.8865702	1.4880875	0.9542673	1.051881	.99889255	1.0043168	1.5858485
(STIC1)	1.07.70.1	198900870	0.876423	0.6438901	0.9780942 (0.90272737	0.9753758	1.1820948	0.9841273	1.137288	1.1289864	0.9856857	1.1377486
Dynamin-1 (D100)	0.8945246	1.2370943	1.1646252	0.9901801	0.8135103	0.89204437	1 0732712	0 94509478	1 0781161	0.0532131	0.0040709	4 4044267	4 0422000
DNA polymerase beta	1.0427026	1.4122742	0.80351406	0.80979806		1.0399185		1.1523557	1 0608637	1 0800873	┸	4	1.0122303
										1.0000001	4	_	5005

Phase-1 RCT-173	1,2300069	0.77643484	1.3243454	0.8927029	1.0487052	1.2551767	1.076961	0.794446	0.9191367	1,0867364	1.2446572	0.9793871	0.8890109
Ubiquitin conjugating enzyme (RAD 6 homologue)	0.84956324	1.4173315	0,98392504	0.9148318	1.0862191	1.3813927	1.1535285	0.82628685	0.9428346	1.2392	1,4143056	0.7435762	0.58495826
Ribosomal protein L13A	0.7791645	1.0630088	1.1194628	1.0256778	1.2409654	0.88974154	0.9997685	0.822236	0.93693936	0.987346	1.0036468	0.7668398	0.8828662
Phase-1 RCT-144	1.1100124	1.102073	_	0.92802125	1.1061742	1.0863566	1.1475734	÷	1.0920479	ш		0.8652474	0.82842386
c-H-ras	0.88445395	1.3132706	1.1559662	1.1443124	0.8054854	0.974389		0.9637967		_	_		1,0753113
Vesicular monoamine transporter (VMAT)	1.2284213	1.4504734	1.247378	1.2061437	0.8901113	0.8314938	-				0.83295804		0.87238353
Phase-1 RCT-273	1.202186	0.7929652	1.0551035	1,1615938			_		0.82188874	_	0.82502604	0.8896195	0.97979426
Phase-1 RCT-230	1.3736684	0.72872585	12258834	1.0276912	1.1695052		0.75451815	-	_		0.7898556	0.8211702	0.7070233
Phase-1 RCT-74	1.5417248	0.8528915	1.0930086	1.3320521	1.16164							0.78994584	0.91456175
Phase-1 RCT-80	1.3521674	0.89176327	1.0406908	1.1967558	0.9999903				_	_	_	0.80216056	0.8864106
Phase-1 RCT-158	1.1141398	0.78911936	1.0507504	1.0592879	_4		0.85480833		0.93002635		0.8543009	0.8230096	0.75806487
Deoxycytidine kinase	0.88734823	0.8989118	1.2602887	1.1763997		_	0.87590326 0.75279474	0.75279474	0.9255491			0.88663924	0.9293798
Inositol polyphosphate multikinase (ipmk)0	1.2142787	0.96276027	0.9653627	1.1308321	_				0.79516184		0.78350284	0.7721994	0.8437855
Neuronal cell adhesion molecule (NrCAM)	1.1676376	0.83834565	0.9741114	1.1535258	1.1693034			_	0.6634262	_	0.74345434	0.8466238	0.9873453
Hepatocyte growth factor receptor	1.2774403	1.2138721	1.0650724	0.8561001	1.0565009		_	_	0.73037267	_	0.8550485	0.9846571	0.9852371
Empty	2.0026042	0.7417127	0.987758	1.2099912	1.6653681		0.78442097	0.8169031	0.7131155		0.8263649	0.9175754	0.8516592
Doparnine receptor D2	0.9532152	0.9663042	0.776877	0.956966	1.3457183	1.3024242	1,2793925	1,1501945	1.1248368	_	1.2043465	1.0983256	1.2310047
Phase-1 RCT-51	1.0282766	0.81880176	1.1091812	1.1120514	1.0432878			0.855568	0.7887661		0.80431646	0.9545905	0.9275469
Four repeat ion channel	1.2250507	0.86169827	0.9965034	1.1316313		_			0.8731721	-		0.82449853	0.9044147
Adrenomedulin	1.8654628	0.8449052	1,3302706	1.2888163		0.75030506		_	0.61491984	0.68525404	0.7345747	0.72837196	0.57161087
Caveolin-3	1.2477005	0.7881882	1.0117682	1.1645716		0.83137286		0.67313784	0.75389	0.7716141	0.7790591	0.8043756	0.88694906
Phase-1 RCT-129	1.3336897	0.81309116	1.0506121	1.2130843		0.90441537		-	0.73136896	0.7748976	0.77545094	0.7811534	0.9047254
Phase-1 RCT-94	1,1808633	1.0453447	1.0859846	1.1028466	0.9635076	ш	0.9510314	0.7635465	0.9736783		0.92385113		0,56604495
Sarcoplasmic reticulum calcium ATPase	1.046261	0.9796814	1.0657402	0.869839	1.0414429	1.1911609	0.7825512	1.0310559	0.8267823		0.8802034	1.2415866	1.1561804
Phase-1 RCT-79	1.2939357	0.7507853	0.998051	1.0297261	1.1608572	-	0.79501736	1.1467558	0.7988472	_	0.87461466	1.1339843	0.9590712
Phase-1 RCT-252	0.75440156			1,1500213		1.1762687	1.4142303	1.7208911	1,1684376	1.1842117	1.2488378	1.4688526	1,6718714
Phase-1 RCT-151	1.0314406	_	익	1.1132832	1.0485986			1.021261	1.033225	_	1.1230065	1.1287258	1.0875692
Phase-1 RCT-70	1.7270778	0.86090726	0.9880562	0.99961567	1.0274487	_1		0.82597405	0.8713414	_	0.87318724	0.8111118	0.9671027
Phase-1 RCI-150	0.7838613	1.0428389	0.7572721	0.8473868	1.3425242	1.3200303	_	1.3452846	1.4331361	-	1.2228434	1,432/1/3	1.3863047
25-hydroxyvitamin D3-1 alpha-hydroxylase	0.9841843	0.7762593	1.2436115	1.0533031	1.68 10082	0.8978958	0.8289859	0.83165675	0.7405817	<u>-t-</u>	0.78384346	0.7787333	0.7676521
Phase-1 RCI-119	0.85838820	1.0231134	1.0965824	1.1325667	0.77677804	1.1324556	1,0338284	1.0092134	1.06/2/55	1.130971	1,0933073	0.00047540	1.090407
Peroxisormal 3-keroacyn-Co-v unorase z	0.8405044	0.6571730	1.2/33/44	0.00/00/0	1.1013367	1.2007001	1,0021000	1.2200754	0.000000000	1.0/3/0/1	0.0540059	0.50317540	0 7422000
Prizability demides Ma	1.35/1817	4 0446437	1.1830343	0.707074	1,1330322	1,0970613	4 4407422	3 6	0.00000133	1 0775651	1 146975	1 2610077	1 1532719
Superoxide dismutase min	1.0023003	1.0410457	1.0909002	4 2400620	1.3300054	079000	1 0423644	1 4240072	4 04758	1 2018757	4 221 788E	4 402042	4 474342
Alaborate designation of the feet of the f	1.1009/39		1007000	1.2108030	0.0001042	1,0092049	4 2000014	1 900/750	4 0704574	4 440449	4 2444 703	4 4050742	4 4540744
Apra-1 microglobusivolkumin precursor (Amop)	0.78406954	1.4693968	0.7947384	0.8/453666	211/12	1.2363049	7.2000340	1,3904/36	1,018/6.1	5112111.1	77711771	1.4009/13	11.45164.1
Phase-1 RCT-18	1.1692878	0.9611789	0.98015314	1.0970764	0.8913752	0.9603511	0.7700945	0.78569424	0.8790593	0.7892077	0.7937298	0.8774106	0.9486979
Maspin	1.1018568	1,2353482	1.1784683	1.1116478	1.2140319	0.7879232	0.72579104	0.7187081	0.666611	0.73013246	0.7655828	0.830455	0.7418016
Decorlu	1.3723459	0.74490744	1201024	1,2841392	1.2410264	0.83309114	0.7609572	0.6920671	0.76691845	0.8107136	0.736436	0.7498416	0.90454614
Retinoid X receptor alpha	1.0914011	0.68923825	0.8619828	0.9562518	1.53156	0.9895458	0.8370605	_	0.96862337	0.9830858	0.9206517	0.7389913	0.68789864
Celtular nucleic acid binding protein (CNBP)	0.910853	1.2274773		0.72608733	0.8783796	0.967794	1.0063484	0.9247546	1.0585689	0.9989828	0.9338654	0.9819844	0.9838257
NADPH cytochrome P450 oxidoreductase	1.1489644			1.9041387	1.4203489	1.0690472		1.1808475	1.0215597	1.3827668	1.1410569	0.9031025	0.78928167
Malic enzyme	1.4304378		0.69505683	0.9840287		0.97949296	_	0.80115604	1.1191941		1.5519624	0.6927364	0.90537786
Caspase 1	1.03/0416	1 1246706	1.15/8039	1.2/11200	1./033304	4 43460034	4 407054	1,0402405	4 4063600	0.9202000	0.7723334	0.7353301	0.08072
Constant	4 9950795	0.1213100	0.9010414	4 0070054	4 303837	4 9504407	0.8625534	00405600	0 8406846	_	0.3231012	0.000818	0 6880444
Poly(ADP-those) polymerase	1.050837	0.9782824	0.93273085	1 0987103	1.3425574	1 1760064	1.2870895	-	0.93842256		1.2707748	0.8794912	0.8786052
Tissue plasminogen activator	1.0878012	1=	0.8059819	0.91578686	0,8456018	-	0.90019023	-	1.0019314	0.9364673	0.5375308	0.9154534	1.0578601
Multidrug resistant protein-1	0.8823858	0.8841516	0.82020485	1.1339741	1.5876356	1.2685359	0.98718315	0.7808962	0.9688238	1,283138	1.0949279	0.81879044	0.9234994
Phase-1 RCT-207	1.0299163	0.7864164	1,1617899	0.99632233	1.1096212	0.9513911	1.1010283	0.92679626	0.8653039	1.1295588	0.9133348	0.8706352	0.8306841
Phase-1 RCT-181	0.85623306	1.065875	1.1043231	1.1851523	0.9302142	1.1105497	0.91115475	0.98909783	0.8829259	0.9668751	0.86698046	0.9544776	0.8203784
Gap junction membrane channel protein beta 1	2.0006163	0.8641516	1.1528742	1.2151817	0.884026	0.67299044	0.7146505	1.0443312	0.8484884	0.88395536	0.7913862	0.8706143	1.033549
Aquaportn-3 (AQP3)	1.1444134	0,9534005	0.8976315	1.0270131	0.95415765	1.0107428	0.9872055	0.81897265	1.0749208	0.9611254	1.0465581	0.8742755	0.878429
Myelin basic protein	0.9464282	0.7530213	0.9174004	0.8355573	0.6598269	0.85776716	0.85742855	0.78466487	0.6409464	-	0.78377765	0.7208297	0.73899886
Calgranulin B3	1.0714388	0.83139366	1.0396932	0.85499444	1.0802188	0.9757901	1.0816636	0.9337286	0.87184083	1,0400016	0.9944027	0.95807165	1.0163246

se-1 RCT-156	0.8287804	1.1273481	0.8525945	0.8657587	0.78670585	0.97100616	0.9812501	1.0131239	1.0127658	1.0474192	0.9220289	1.0800;
feasome activator 28 alpha	0.9026982	1.0465539	0.9644068	1.0465639 0.9844068 1.0272295 1.2256494 1.0502952	1,2256494	1.0502952	1.00739	1.2053181 1.2216734 1.1102302	1.1102302	1.208119	1.1395838	1.0903785
						J.						
Gene expression data for 72 hour timepoint												
presented as mean ratio of treatment/control					•				-			
all 72 hour predictive genes (Table 23).				, -,-				 	•			
Compound and dose abbreviations as in												
Individual animal number												
Liver inflammation classification for compound as group at 72 ft. yes-necr, necrosis observed;												
e-both, necrosis with inframmation observed; no histopathology observed												
Predictive gene (as in Table 23 and as uded in Table 26)											-	

Table 30. Expression Data for 72 Hour Timepoint (1)													
	_		-	т	Т	7	Т	Ţ	Т	Т	T	Т	OF NUMBER
2			PBARB 80			PEG 5000	PEG 5000	PHEN 20	1238	PHEN 20	PHEN 80	1338	1339
Animal Number (3)	Z629	/22 27	888	202	/#/	07	2	-				-	8
Liver I oxicity inflammation Classification (4)	2	2	2	2	2	2	2				2		
Cente Name (3)	4 2003202	0.0348670	AC77725	4 42277RG	1 0351755	0 93776586	1 1955937	0.94461066	0.7158433	0.82837364	1.1689981	1.1945151	2,641321
Retains homosetains mathytransferase (RHMT)	3 3637373	1 4573135	1 1002183	2 431861	٠	0.58404005		0.84044504	0,62814146		0.59487575		1,5356477
Profileration cell nuclear antinen gene	0.8373706	0 9234343	-	0.85197467	+	0.9832836		1.020274	1,7139033	0.925812	1.133122	_	0.95929664
Cytochrome P450 2018	1.0823835	1.0770162		1.0731335	0.7714122	0.6510719		0.69778868	0.77798563	1.7464085	1,5186303	2.2032201	2.5513394
Cytochrome P450 2C11	0.8369874	0.97067078	٠	0.81297153	1.1524162	0.70828146	1.1436024	1,1970403	2.0891826	0.92818874	0.9391282	1.3219451	0.9399312
Phase-1 RCT-290	2.3765686	1,2950222	1,031606	1.8142194	1.1854224	0.7086721	1.0902594	1.0902594 0.84532785 0.56150454	0.56150454	1.2018715	1.2018715 0.52944124	_4	1.6232878
Phase-1 RCT-59	0.91548055	0.8884096	0.93446493	0.9576318	0.92131186	_		0.93119943	0.84511673		0.8317284		0.97728014
Beta-actin, sequence 2	1.4097862	1.0162219	0.97577226	0.90136087	1.0122339		0.83747244	1.1301892	0.85529774		0.82076544	0.90433735	1.1818012
Phase-1 RCT-292	1.1873741	0.8832179	0.9482248	0.9488217	0.9595738	_		1.0790194	0.8975053	1.011346	0.9296608	0.9462437	0.9635879
Pynyate kinase, musde	0.9975391	1.0104824	0.8898288	0.83407164	0.9410275	1.020891		0.83319753	0.88256675	1.0205708	1.091958	1.0736831	1.0974643
Osteoactivin	1.0681022	1.020692	0.99112856	1.0095752	1.0243467	1.1038651	-	0.9500734	0.8434394	0.8434394 0.97104128	0.73965645	1.0156243	1.1085628
Calgranulin B1	1.0118368	0.87899876	0.9243776	0.91695166	1.0130594	0.99404687		0.643942	0.8885643	1.1163471	0.9807759	1.082/056	0.9638309
Apolipoprotein Ali	1.0809634	0.7587417		0.8704185	1.1926595	1.4729168	1.3810918	4 4403534	1 0700580	1.5636146 1.1636549	1 1364256	0.89130205	1.3231402
Connexination	1.17/8135	0.8901528	0.89559907			4 4047907		0.00007484	0 8441471	0 9931528	1 0371422	1 0303215	1 1016867
Phase-1 RCI-109	1.0026973			400/23/004	1,16/2002	1.1042007		0.92031304	0.5067125	١,	13074181	1 23759	3 333004
Glycine methytransferase	4.0573016	4 0000075	4 0090247	1.4945792	1.3234002	0.0307074	0 8386057	1 0898684	N 86493636	1 1239477	1 0469394	0.9010423	1.4259007
Description of Detrace	4 8870353	4 2232085	4 2375087	1 494420B	1 2245095	1 0220333	1 1257974	10132128	1 0132126 0.76004106	12442666	1,3863668	1,2239565	1.4772594
Phase-I Not-200	1 2634404	1 6770508	2071244	0 9209679	1 0644541	0.7034708 0.70476115	0.70476115	0.9881236	1.1444252	0,46618983	1.013238	0.9082011	1,4550887
Dhara 4 Det ya	4 5477342	1 393667	1 2000002	0 99236214	0.96931636	0.95405143	0.87923115	1.0807979	1.1315683	1,1083994	1,063137	1.2491162	1.3248735
Union matein 2 median	0.9400864	1.1516211	1.0524501	1.2756629	1.3856211	1,2045159	1.4439021	1.0374868	0.9026839	0.5811643	0.5667692	0.47459757	0.6829346
Insulin-like growth factor (1.4812555	1,1055781	1.0158107	1,2005968	0.7882857	0.73993057	0.8956098	1.654046	0.88643684	1.654046 0.88643684 0.63775843	0.64252174	0.64252174 0.56074446	0.67383
Ary sulfotransferase	2.1858994	Ľ	1.362596	1.8352524	1.3258157	0.9076817	1.0354532	0.98119146	0.7960717	0.60765046	0.6320163	0.7014889	0.789953
Phase-1 RCT-185	1.4147478	1.5131245	1,2293764	1.3724619	1.1878654	0.7565421	1.0361671	1.1244238	1.1244236 0.90880793	0.6058197	0.78333664	0.67350024	0.85035557
Coffin	1.2154084			1.2810208	0.9734651	1.0900774	1.025707	1.2396713	0.89271927	1.0398918	0.8318366	0.88205135	1.1515/04
Stathmin	0.9493735	0.9496202	_1	0.9997175	1.0348947	0.9930269	1.0182971	1.0182971 0.86410326	1.4148134	1.4152936	8/1831/1	1.4766390	1.0332374
60S ribosomal protein L6	0.8798761	1.0515441	1.0748861	1.0293868	1.1392695	1.14115/8	1.0903227	1.044622	0.9031/03	0.800600	4 0472007	4 2442024	0.0045172
Calpactin I heavy chain	0.9987183	1.0200584		0.9321313	1.0636147	0.9980707	1.02/8308	1.02/6369 0.76769696	0.60343434	1.4140733	4 2449026	4 4463408	1 005000
Collagen type Ii	0.68845165	0.8482933	7	0.76870865	1.463999	0.92349154	1.349897	0.76344144	0.9203000	1.13304/2	1.2140030	0.00000	1,000130
Phase-1 RCT-179	1.0375403	0.9665334	1.0143441	1.0893667	1.1870441	1.1313825	1.1192511	1.1192511 0.87841696	0.91334397	1 2006196	0.022033	1 2208/82	1 1280216
Voltage-dependent anion channel 2 (Vdac2)	1.2807249	1.0950618	1.0731391	1.1032/11	1.0538957	1.2049/14	1.1515550	1.1515895 U.7.23030	0.9515249	0.054603	0.8655508	1 0120245	1 0865673
Phase-1 RC1-192	0.7512921	0.822520	1.0205120	0.6606363	1 1447725	1 1101316	1 0651832	0.90603334		0.7698834	0.5659502	0.7326478	0.8672154
Themselv hete-40	0.03318/40	0.8749503	0.8513818	0.8893719	1.4785045	1.0198871	1.1494175	1,1494175 0,88046896		0.82029635	0.930448	0.84340876	1.0648799
High affinity IgE receptor gamma chain	1.1409408	1	1.0208466	0.87269145	1.1324425	1.1602678	1,1379485	0.81689507	1.2744132	1625707.0	0.8302208	0.6757565	0.8079093
(FcERigamma)									- 1		0,5000	0000000	1000000
Gamma-actin, cytoplasmic	1.5039393	_	0.8772457	0.7291561	~		0.75055563	1.43216	- 1	0.90080726	1.0899746	4 5600750	4 4408274
Uncoupling protein 2	0.83636725		4	0.8258673 0.81358755	1.1343237	1.0152805	1.0/03388	4 00072909	4 036000	1.14/852	4 28500AE	1	1 2074572
Phase-1 RCT-34	1.1486868	1	1	10.8/69/201		-	0.8030000	0.40770005	15	4 0250477	077770	4 E50076	4 572308
Phase-1 RCT-31	2.586461			1.7162187	_	_	23000017	4 0445769			O BEARSEAS	1 8550831	0 74278075
Cyclin Di	0.6669847	٦.	1	0.74500/3	1,0739183	4 4052954	1.1530003	0 0235202	0 8465437	L		1 3914987	1.3185848
ige binding protein	0.951803	4	1.015534	0./3160/0	1,0136030	1,002601	4 0825480	1 0275024	0.01000	1 0540551	I	0.884011	1 1003344
Cho inger protein	1 954122	0.9578004	┸	0.95835465	0.96959674	0.87409526	1.0646496	1,1868455	1,0029787	0.9563789	1,4318782	1.3991655	1.3758539
Aichathhain	0.785783	+	1~	0.8416742	0.9287966	1.1379485	0.84636583	1,2350819	1.156562	1.0152532	1.2042309	1,0061581	0,9993583
Alpha-omthomosin	1 5526446	1 3135582	1425532	1 3598168	1.0831113	0.8723897	1.0192277	0.5096754	0.8380377	1.9331552	0.8432443	1.4606874	1,5061911
Calpain 2	0.99838483	┸	9	0.9140133		0.99965185	1.0060794	0.97915316	1.0812542	1.2394491	1.1848758	1 2934686	1.1743277
Phase-1 RCT-12	0.9470108			0.7743334	0.781499	0.9499077	0.7730046	0.81568193		1.1652293	ő	1,2350024	1.0139291
Cethepsin B	1.2807446	Ш	1.0504866	1.2152315	1.1723552		1.0195094	1,4336686		0.7147421	1.3668835	0.93269855	1.169599
Phase-1 RCT-24	0.7897209	ш	Ц.	0.67845653	0.8689429	_	0.88310426	0.8936416	0.8445062	1.3789676	1.3012017	1.6399878	12235484
Melanoma-associated antigen ME481	0.89216685	0.8623412	0.8815501	0.84552574	1.2210563	1.2444118	1,23303441	0.95569927	1.0527531	0.9689167	1,3292792	1.48946181	1.4640989

Phase-1 RCT-68	1 032685	0.97703046	0.98441917	0 93379706	0.9155279	0.9501467	0 94255745	1 0279106	0.9839419	1 2339146	1 0290941	1.0609816	1.0468402
Cyclin G	1.588964		_	0.8256398	-	-	-	0.99023384	1.6805005	1.0202231	1.0936147	1.3180543	0.98869926
Hypoxanthine-guanine phosphorbosyltransferase	0.85499007	0.9122561	0.91750103	0.84749424	0.84304017	0.9179947	0.8585377	0.9635972	0.88280994	1.2323058	1.0391074	1,2490537	1.2742615
Tissue inhibitor of metalloproteinases-1	0.8621951	1.0857438	0.91535914	0.8020584	1.172212	1.0564892	1.2145021	0.83812907	1.2243816	1.062637	1.0783108	1,0712314	0.9558668
10-1	0.7628596	0.98917204	0.87607867	0.8247775	0.9108682	0.8383657	=	-	4	0.94685775	0.9777872	1.0081937	0.86196077
Ribosomal protein S9	0.7762632	0.90118754			1,2393398	1.1423813	┙	0.73510164	\rightarrow	0.77336895	0.613982	0.6243242	0.66764855
Heme oxygenase	0.8838949	0.8570268	0.86593306	-	0.89021635	1.4914275	1.0473125	1.1485046	1.6164286	2,149804	4.180962	3.4831421	2.9883676
Ribosomal protein S8	1.1589929	1.086008	1.1098642	1.0618838	1.2314607	1.148644	0.9850563	1.0126342	1.095618	1.2362397	1.3873304	1.2352511	1,360489
Ribosomal protein 517	0.9380409	1.0682522	5 6	1,0414035	1.4119933	٠.	1.1545619	1	0.92536012		_	0.92900970	0.8933127
Nucleostoe diprospriade kinase beta isotorm	0.83003/4	0.9945509	1.063017	0.63264236	0.85805.20	1.01/19305	4 0005044	4 0478672	4 0220034	4 0400466	4 2004	4 2002255	1 2010/27
74 3 9 min	1 042004	0.7851317		0.12203123	0.8420462	-	1.0003014	0 8306454	1.0203031	4 0135484	0 8058768	4 3258454	1 0111315
60S ribesomal protein 1.8 (afformate clone 1)	1 21 22 624	1 00/0264	1.0034021	1 0351073	4 0381678	_	1 0394444	1 0096154	0.0804736	4320704	1 1507964	1 1481177	1 2421256
Retaching class	1 0754402	0.8870018	0.83234715	-	0 78742373	1 0494907	+	0.75927204	0.88077533	1.1461682	0.9385943	1,177,1588	0.96925884
Omanic casion transporter 3	0 REOR 7734	1 0245893	-	_	1 0932629	1 1319125	+	1 0338523	0.9445524	+=	-	0.99764156	1.0574248
Beta-actin	1.5262188	0.9682944	+-	-	0.49152657	-	0.55183053	0.7912191	0.6269113	-	_	1.1812772	1,6395159
Cathepsin S	1.1796762	1.0986004	1.0154128	1.1252106	1.1197613	1.2823292	1.094383	1.1169642	1.2224767	0.7571469	1.135351	0.75414324	1,0189323
Billverdin reductase	0.84347737	0.75498414	0.8072573	0.7829774	0.7883885	0.9880469	0.88015765	0.8117963	1,2960569	1.422719	1.4536258	1.8290488	1.4036462
Phase-1 RCT-154	0.8990485	1.0172708	0.92075	0.9386597	1.0273411	1.0960258	1.0621507	0.88449484	1.2545762	1.036023	1.0234758	0.9834861	0.87187415
Phase-1 RCT-293	0.9959736	1.506845	1.0875044	1.1438954	1.1349994	1.077701	1,0829529	0.9296207	0.88634753	0.9291803	1,3984697	1,2163569	1.3486031
Annexin V.	0.9792886	1.1102159	0.9343134	0.9441067	0.90584797	1.0111622	0.9387036	1.0677147	1.2797171	0.8998813	0.9501181	0.92136824	0.7817976
Complement factor I (CFI)	1.2245368	1.4846774	1.2105712	1,4355481	1.1354271	1.2974102	1.3407012	1.3712628	1.0614692	0.9467487	1.1769719	1.0736421	1.0554451
Phase-1 RCT-276	1.014451	1.1320951	1.0406127	1.0212985	1.1529163	1.081645	1.0297884	1,0149359	1.0168785		0,6888951	0.6240476	0.6786394
Tyrosine aminotransferase	1.9331309	1.5616727	0.7277142	0.952721	1.3418102	0.9307301	1,5690262	1.1775545	_	0.65835553	0.5037633	0.55261797	0.5454088
Glutathione peroxidase	1.1284933	0.79732394	1.031146	1.0958897	1.1305337	0.9818612	0.83412995	1.0400318		1.0421084	-	1.0184494	0.7515515
Histidine-rich glycoprotein	1.1438405	1,5130742	1.4611334	1,5754831			0.7784283	0.7767244		0.8766587	-	0.56864846	0.7375781
Carbonic anhydrase III, sequence 2	1.5062171	1.4436722	1,4091774	1.561941	_	_	0.77866924	0.8148514	1.1328215	0.95081896	0.77488905	0.5492938	0.7013056
Phase-1 RCT-92	1.3722289	1.2665976	1.2616327	1.36408	1.2820524	1.077499	-	0.94948953	1,14273		0.7487009		0.72109944
Iransmonal endoplasmic rendulum ATPase	0.8619606	1.0466201	0.9190549	1.0042883	4 4694094	1 0.70726	1,0000404	1.36980/1	4 4055930	0.943770	0.83310314	0.62773404	0.80331970
Priese-I RCI-00	1 2025630	1.280330	4 40 49988	1 5/17062	0.0045882	1.0170535	0.80350725	4 0340288		1 0881542	-	1 2738935	1 2017641
Diese 4 DOT 484	0.8045303	0.01020420	0.0867122	+	_		0 7013018	0.6502304	1 036438B	1 1178859	1 1064779	1 3106683	1 2030324
Circothione S. transferases that 1.1	1 1625053	4 3391485	1 0719248	-16		1 3310447	+	0 93207675	1 0388012	1 0388012 0 90537894	0.8135014	0.7703828	0.854183
Phase-1 RCT-168	1 0780007	0.94145614	0.93858755	.+	1.0243058	+-	+-	1.5280278	0.9637863	1.369397	1,1251959	0.8536704	1.0069143
Phase-1 RCT-182	1.0870817	1.0337929	0.9592582	1.0465792	1 2222788	+-	0.85743304	1.2541449	0.98162115	0.6187415	0.9188834	0.76993173	0.92345595
JNK1 stress activated protein kinase	2.0389585	1.423925	1.3374652	1.8151397	1.3268613	-	1.0860213	1.1860031	1.0454952	0,5866502	-	0.69707876	0.84196776
Phase-1 RCT-81	1.2844416	1.2126713	1.1101803	1.1521756	1.0371921	0.9939237	1.014904	1,1904075	0.92948467	0.761147	0.7607056	0.7984006	0.9344303
Phase-1 RCT-33	1.053354	0.8871756	1.047625	-	0,95336014	1.46688	1.1180042	1.2728882	1.0490067	1.2180637	1.0483227	1.1998255	1.2127491
Phase-1 RCT-178	0.82152885	1.503841	_	0.8659274	1.3870527	1.04953	1.2451419	0.8651697	1.2639325	0.9580603		1.3179752	1.3984095
Apolipopratein CIII	1.1644843	1.1220003	_	1.2403752	1.2434987	1.075884	1.1406921	1.1026682	1.1810222	_	<u> </u>	0.87256694	0.8507345
MADU = 400kmm be softened	1.1150512	1.024684	1.0399411	1 4801100	1,000158	4 2404764	0.9303083	1.200009	0.0141447	0.0030710	0.04502014	0.03/4330	1 0185806
Alpha 1 - Inhihitor III	1.3900339	1.1710505	1 268827B	1 7884171	1 0287467	0 7930582	0.8514003	2 7363756		-	0.67342716	0.8107057	0.9562165
Phase-1 RCT-233	1,1508377	0.62414485	1.2839988	1.1098965	1.4502586	1.1917439	1,2231036	1,1501824	1.2110398	_	1.0227556	0.8086395	0.8726984
Paraoxonase 1	1.394882	12847519	1.4326378	1.8130792	1.2259889	-	0.99986905	2.189427	1.2371567	0.54998326	0.8105775	-	0.64370173
Presentin-1	1.8179574	1,3948231	1.2937711	1.880646	1.0305552	0.8381836	0.67990744	2.8712456	1.1700162	0.41486442	0.7307056	0.83854157	0.97661746
Apolipoprotein C1	1,6201338	1.1559	1,2882545	1.1101732	1.4328041	1.1168059	0.9456079	0.836313	1.3497448	0.5170944	0.5883837	0.37237847	0.6056793
Cytochrame P450 2C23	1.3457034	1.2638164	1.351888	1.5591495	1.5492147	1.1754739	1.2861823	1.1580917	0.9950424	1,022,1078	0.7225106	0.903987	1.0673525
Phase-1 RCT-227	2,149468	1.7654392	1.868248	1.8628165	1.4214001	1.0657364	1.2696497	1.0110458	1.1197497	-+	1.01857	1.2690349	1.3559684
Hepatic lipase	0.79765606	0.71878904	0.84265417	1.1081393	1.1604581	0.94554114	0.92843515	1.8586891	1.2480601	হা	0.55135/2//	U.2448428	0.6232082
Phase-1 RCT-164	0.89672256	0.9066482	0.9806896	1.0709443	1.1009766	1.0561381	1.1593385	0.8670247	0.9407809	0.7993289	0.62125387	4 207177	0.86542976
Inciding resistant protein-2	1 5650039	1 1487107	4 D635723	1.0549047	0.6019903	0.6536308	1 2020339	1 7776401	0.8582722	0 9975596	1.36667	1.2900769	1.6802658
N-hydroxy-2-acetylaminofluorene sulfotransferase	1,338185	0.92574006	1.2707722	1.3762817	0.9470569	0.6648127	0.8456219	1.0325595	0.9087158	0.5027654	0.5364251	0.5901848	0.6797214
(STICI)	0.0416267	1 104R423	1 2052202	4 4579372	1 1558328	1 123706	1 0893624	0 9841706	1 1265239	0 9417111	1 1565559	1.0272273	1.0931138
DNA solumente hete	4 24 40700	1	1 0860864	4 4970493	1 0876677	1 4036317	1.00930024	0 02123875	1 4661342	0.7108484	0.818541	0 5088438	0.5983545
DIAA DOMINING BOOM	1.41 191 00	1,29 1,401 9	Lucionari	1.1519 [20]	17:00:00:	1110000111	וייידווייו	V.84 14001 VI	1.100	0.4 100721	2,000	Constitution	

Phase-1 RCT-173	0.7762404	0.99963945	0.9918329	0.85948896	1.0625894	0.9149621	0.8574911	0.9295115	1 21 12273	1 104633	1 059144	1 1023242	1 0016954
Ubiquitin conjugating erzyme (RAD 6 homologue)	0.82651967	0.85504246	_	0.94114316	1.223601	1.0746208	1.0378011	0.82269293	1.0023693	0,7316123		0.62407756	0.7091354
Ribosomal protein L13A	0.7569482	0.8542667	0.8520774	0.79449904	1.2656443	1.1776992	1.0510298	0.6873503	0.6946729	1.0488769	1.1773363	1.1972297	1.3807391
Phase-1 RCT-144	-	0.81755644		0.8112554	0.8997876	0.9947886	0.9425872	0.9776388	1.0940908	0.91772866	0.9054899	1.0146012	0.9340063
cH-ras	1.0310968	1.1049945	0.9021543	0.8880672 0.84052026	0.84052026	0.9312449	0.9911115	1.1379536	0.9279264	0.89096344	1,2487466	0.9278365	0.932107
Vesicular monoamine transporter (VMAT)		0.9182125	0.7710559	0.9998378	1.0356182	1.1495608	_	0.98566395	1,3102162	1.1114602	1.2990675	1.1293468	0.893483
Phase-I RCI-273	سار	0.81223774	0.82880425	0.9042289	1.0153139	1.0010017	1.0689605	0.9546981	0.9164756	1.0451697	1.1312445	0.9859355	0.9329179
Priase-1 RCI -230	0.74695337	0.7146993	0.7146993 0.76015824	0.72310686 0.83533424	0.83533424	0.97530085	0.9607096	0.9607096 0.93483186	1,3900096	1.1013391	1.4236934	1.3708019	1.0212104
Disse 1 DCT 80	0.7802143	0.7490500	0.000000404		0.90700404	0.9701029	4.0007540	1.1592219	0.840278	1.0128283	1.04/873	1.0745181	1.0000438
Phase 1 RCT-158	2 6	0.7160389	0.17624974		4 0504000	0.977050	1.056/512	4 2074967	1.159165	1.083/314	1.134/30/	1.1403397	1 0302050
Decoration Finase	0.7965457	0.0100001	0.0160081 0.0042633	4 0006067	1,000,000,1	4 44 70005		1,240,1302	1.100907	1.00304/2	1.100/324		1.0283030
Inosital polyabosabate multiclasse (lamk)0		0.62007060	0.81402033	1.0960062	1,7209081	1.11/6335	1.1148605	1.2484345	1,693547	1.1352288	1.3633054	1.1362067	0.63987397
Neuronal cell adhesion molecule (NrCAM)	3 8	0.7328593	0.251210	0.7143813 0.91887397	0 91887397	0 9490778	0 99647975	0 9490726 0 99647975 0 88447465 0 92148095	0.02148005	1 3080035	1 1613463	1 2765524	1 1403420
Hepatocyte growth factor receptor	8	1 0340605		1 0028789 n 97149277	-	0.85122776	0 9233464 0 77138925	0.77138925	4 159750A	0.0007962	0.8900222	0 8026400	0 76836294
Emoty	_	0.86781904					1 0879178	0 7642908	0.007,000	1 2280631	0.8524535	1 0328321	1 0284369
Dopartine receptor D2		1.094111		1.0605628	1 0210695	1 030002	0 9898531	1 229129	0.8821451	4-	٠.	0 66965586	0 7783479
Phase-1 RCT-51		0.85845598	1	0.9319496	0.99361926	1.0273581	1.0860136	1.2694676	1.278198	+ -	-	0.8229889	0.7816467
Four repeat ion channel		0.784405		0.83863163	0.99568266	1.0097677	-	0.99260473	0.9834717	0.7212574	0.6347888	0.595301	0.5277897
Adrenomedullin	0.5707355	0.6933417	エ	0.6601207	1.0871254	1.0727403		0.933573	1 4500794	1 0555362	1.3820086	1.	0.88934034
Caveolin-3	0.6798301	0.7405132		0.79693747	1.0822054	0.97046137	0.9901104	0.9901104 0.94521034	1.1539031	1.0467342	0.9811941	_	0.8266876
Phase-1 RCT-129	0.72166884	0.691255	0.7775085	0.70731497	0.9537605	0.9698032	1.0253513	_	0.96018773	0.9094181	1.0768709	1.0671605	1,0089608
Phase-1 RCT-94	0.74531704	0.75211126	0.99820584	0.93318594	1.0169519	1.0675995	_		1.2819693	-	0.95675397	1.13294	1.004946
Sarcoplasmic retloutum calcium ATPase	1.0267246	1.1700073	1.0653737	0.884858	0.884858 0.96053046	0.9571156	1.080695	1.0390849	1.6663073	0.8430422	0.9956153	1.0881808	0.8620837
Phase-1 RCT-79	1.30267671	0.851852	0.8697784	0.9207615	0.9047365	1.0258797	1.156239	1.156239 0.96603674	1.2813902	1.029481	125728	1.315637	0.9926878
Phase-1 RCT-252	2.0133133	1.1652373	1.2234796	1.4942291	1,3074006	1.2799039	1.327399		0.9163883	1,2498994	+	1.0039749	1.2130235
Prase-1 RC1-101	1255950	1.1551747	0.93649507	0.9604409	1.0297359	0.9583974	1.0066271	1.2900008	0.98738396	1.0279009	-	1.0117401	1.1174215
Phase-1 RCT-150	1 2274015	1 1751758	4 4750705	4 1604255	0.9040642	0.9900963	1.0522038	0.0503948	0.7516235	1 2020444	1.083/224	4 225260	1.11/9461
25-hydroxyvitamin D3-1 alpha-hydroxylase	0.7908169	0.81254846	0 9221025	0 77043295	0 9296105	1 0324934	1 01112	1 0424109	1 522434	1 0040301	1 08880A	1 2054577	0 822410
Phase-1 RCT-119		1.0298239	1.0242066	1.1475055	1.1219229	1.1823338	1.254999	1 3293836	0.9827153	13721027	0.8768379	1.163349	1 2532401
Peroxisomal 3-ketoacyl-CoA thiolase 2	1.0416964	1.0592822	1.0829824	1.0394281	0.8437558	0.9399003	0.7953528		0.78009033	1 7307568	1 4512855	1 2765489	1 2854508
Phase-1 RCT-146	0.80490816	0.8354396	0.8801082	0.79114383	1.0328479	0.9935144	1.0360625	0.9923474	1.9554602	1.1738262	1.0124935	1.3903377	1 0022497
Superoxide dismutase Mn	1.2691382	1.3695304	1.3565977	1.1763848	1.0385705	0.8376134	0.9670233	0.7837278	0.79877456	1.1081576	0.76120645	0.9786952	1.1276727
Phase-1 RCT-115	1.1915102	0.8410536	0.88647	0.7879575	0.87592884	0.90307033	0.95411503	0.75418687	0.9538415	1.391122	1.3146718	1.6860687	1.1535306
Alpha-1 microglobulin/bikunin precursor (Ambp)	1.3774635	1.2516892	1,2349813	1.3297697	1.1595097	0.8529617	1.1076173	1,2322185	0.90777844	0.7694507	0,720576	0.7951389	0,9435417
Phase-1 RCT-18	0.8220240	0.87434745	4 048257	0 80838048	O OCOOPPO	4 0036604	4 0400047	4 4400534	0 0040075	900000	77070000	0.0070599	4 4700503
Masoln		0 7317828	0 7641593	0 9178989	0.9229000	1 0238215	1 10323167	1 1348434	1 3400208	0.800000	1 1832047	0.0247200	0 784204
Decorin	0.660505	0.7712029	1	0.76916015	0.9849084	1 0063709	1 0458151	1 0402247	1 312563	1 2122358	1 3323317	1 2740961	1 0270649
Retinoid X receptor alpha	0.7112421	0.7304942	,~	0.7131659	0.830077	0.87705624	0.8598817	0.8205237	1.2064072	1.0935203	1.0425117	+	0.89538294
Cellular midelc add binding protein (CNBP)	0.94545597	1.0092078		1.0470164	0.8512638	٠-	0.89569235	1.3132309	1,1758398	0.7509708	-	_	1.0129628
NADPH cytochrome P450 oxidoreductase	1.1493329	1.0152721	0.9446126	0.73925376	0.7581552	-	0.8368132	0.62880343	0.94261307	1.8667934	-	1.8059307	1.1564857
Malic erzyme	0.75292796	0.7161185	0.9130188	0.8071677	0.9027766	2,2406094	0.898699	1.2241528	1.2251614	0.950278	0.9332063	1.1041304	0.96283907
Caspase 1	0.73607665			0.7750774	9	1.006391		1.0207813	1.6244497	_	-	1.2985222	0.84623665
Cystatin C	0.73549545	1.252816	1.0925428	1.2398707	1.2353618	0.9857466 0.9977132		0.98628535	1.2283502	-	-	0.88614464	0.9087757
peeduc	0.91608346	1.1891092	1.0034987	0.79962295 0.98242456	0.98242456	1.0494255		0.83899826	1.3508259		1.0636991	_	0.9787451
Poly(ALP-nbose) polymerase	0.81474173	1.0504817	0.90737873	0.8445963		0.9444118		0.89707613	1.1338184	-1			0.85115886
Martidan resistant ambela-1	0.9180090	0.8471633	0.000000	1.059038	0.9535/74	0.94955945	0.98014086	0.963293	0.7167196	1.1304954	0.8114285	4 9300496	4 0000044
Phase-1 RCT-207	+-	0.0000101	0.0505050	0.0272604	_		0.004/0230	0.0564756	1.07.30578	1,011,010	1.3001/40	1,00000130	1.0000014
Dhace-1 DCT-184	-	0.0007549	0.00040400	10.937.2001		0.8000000	0.90772110	0.9004/30	RICONST!	_	1.0334123		0.0010100.1
Can linction membrane champel pertein bota 1	4 2/88/43	0.503/313	0.90312403	1.0432831	-+-	_	1.04162307	1.0436238	1.0893423	-	0.60697707	_	0.77568650
(Gib1)	2140049	0.070.00	0.7000130	0.01047883	0.0710300	0.60916300	1.0413100	2200650.1	0.0561933	0.9155688	CLUNCOL'L	0.8885138	1.1102383
Aquaporin-3 (AQP3)	0.81872505	0.78134614	0.8689041	0.967064	0.9898411	0.98920834	0 9813522	0 98648816	1 1888489	1 1968999	1 0089343	1 77768	12750177
Myelin basic protein		0.80867326	0.8069548	0.72126615		-		-	0.83997846	+	0.98966076	1 043417	1 1976856
Calgrandin B3	0.9067254	1.0142208	0.91030234	2	-	-	0.9552508	-	1 1859689	-	1 1143667	1 2658327	1 0469623
										-		-	

						-		00700					
Shaco.1 RCT-156	0.8726671	0.8726671 0.87814736 1.2154782 0.8523893 0.65108424 0.8845373 0.7101352 1.5163162 0.8154113 0.01652800 0.8523893 0.65108424 0.8845373 0.7101352 0.8154113 0.	1.2154782	0.8523893	0.65108424	0.6845373	2001017.0	1.0103102	0.9132113	0.00210.0	7300000	0.0070445	18
Protections arthrator 28 afritia	1.1990241	1,3711619	1.1556495	1.1556495 1.0894928 0.92427798 0.9444918 0.96368617	0.92427798	0.9444916	0.96368617	0.8069977	0.97601146	0.66641455	0.8069977 0.97601146 0.86641455 0.88600554 0.0070112 0.050005	0,000,0112	3
1) Com oversesion data for 72 bour timenoint													
are presented as mean ratio of treatment/control													
for all 72 hour predictive genes (Table 23).		_											
(2) Compound and dose abbreviations as in									- 1				
Table 1.													
(3) Individual animal rumber													
(4) Liver inflammation classification for compound											•		
dose group at 72 h: yes-necr, necrosis observed;			_										
yes-both, necrosis with inflammation observed;													
no, no histopathology observed													
(5) Predictive gene (as in Table 23 and as													
included in Table 26)													

Table 30. Expression Data for 72 Hour Timepoint (1)													
(6)	3,0	Т	Т	T	Т	Ţ	- 1-	900	Т	200	36 1411 70	36 MII 10	6107.20
Campound-Dose (2)	PUK 150				10 X			7,9	COIN TOD	1	UUIN 23	2	413
Animal Number (3)	3/	ş	3	77	9	2	/007	0007	SSS	1	1	2	ļ
Liver Loxicity inflammation Classification (4)	2	2	2	2	2	8	2	2	2	2	2	2	2
Gene Name (3)	ACREAGE O	4 0460544	4 4868751	1 0183531	1 0865818	0 871795	0 90836775	0.9578157	0.95735437	0.95769568	0 93208534	1 1492205	1,1298818
Retains homocycleine methytransferase (BHMT)	1 0198315	0 76172113	┸	2 3014543	1.7721671	1.1815759	1.2336817	0.81879336		1,3380699	1,237,7864	1	1.3018326
Profesering cell nuclear antioen gene	1.0127549	1.0709391	1.1172235	0.75602895	0.8016167	1.0207137	0.9196579	1.0295424		0.93651044	0.95236063	0.8949977	0.86525834
Cytochrome P450 2D18	1.4872073	1,4803327	1.4230059	1.6051362	1,5869088	12745472	1.0737612	1.0519153		1.0390248	1.0390248 0.90422654	1.0754288	1,301183
Cytochrome P450 2C11	1.017048	1.1291597	1.0730568	0.9673684	1.1497286	1.4182663	0.89903957	0.8945202	0.84713274	0.56674653	0.9851209	0.99340373	0.7363272
Phase-1 RCT-290	1.0589684	0.7378559	2	2.093369	1.6481699	1.1629311	1.1423194	1.1423194 0.83194727	0.8060568	1.2920842	1,2397969	0.8959155	1.0930523
Phase-1 RCT-59	0.99113965	0.8806126	0.9478211	0.9487184	0.9928631	0.89479953	0.9262594	0.94038016	0.89143544	1.1178798	1.0878831	0.94747853	0.851363
Beta-actin, sequence 2	0.8398216	0.8630678	1_	1.0309684	1.127859	0.97738147	0.9812766	0.8195032	0.9281902	12361727	0.9723044	1.0433387	1.0319701
Phase-1 RCT-292	0.97100514		0.9483326	0.89976203	0.8779519	0.91828907	1,0347557	0.9685224	0.961728	1.0376343	1.044665	0.990129	1.1928066
Pyruyate kinase, muscle	1,2150221	_	╙		0.9923154	0.99472713	0.965848	1.0054578	1.048399	1.022166	0,9787921	1,0321975	1.1552222
Osteoactivin	1.1118499	1.0224291	1.0411617	1,1582058	1.2378268	1.0670835	1.0670835 0.97798085	1.0351181	0.9858047	0.97124	1.0061378	0.92806345	1.0490184
Calgranulin B1	1.0218882	1.0552953	0.9146423	1,0303864	1.1263247	1.1265479	1.1635185	0.88086176	1.0357441	1.0239049	0.9990471	0.9877148	1.1626976
Apolipopratein All	0.6428627	0.60363394	0.6100757	0.8469037	0.6878629	0.7727451	1.0499594	1.0148792	1.0148792 0.95653737	1.1172696	1.2497916	1.031308	0.9210587
Cornexin-32	0.89338243	Ш	0.8329732	1.14796	1,2016673	1.0821118	1.3713683	0.9511127	1.436606	1,3401634	0.97025885	1,3100522	1.3096378
Phase-1 RCT-109	1.3213788	1.2096131		1.1547353	1.2051399	1.2816981	1.1180122	0.9772245		1.0627499	0.9864537		1.009289
Glydine methyltransferase	0.8900344		0.75305355	1.1337544	1.1875312	0.8234666	0.9241019	0.9406163	1.0522039	0.9258677	ı		1.8285745
L-gulono-gamma-lactone oxidase	0.9406065	0.8791272	_	1.3678079	1,2418939	1,2436156	0.8460548	0.7082184	ч	1.2117895		0.7413841	0.9827966
Phase-1 RCT-256	1.0628864	_	_	1.474765	1.3814731	1.0319457	1.0204657	0.8875347	1.0265095	0.89148196	0.89999994	0.91389793	1.3616997
Carbonic anhydrase [1]	2.2643623	2.4452744	_	1.6758987	3.4131618	2.0290284	1.1927809	1.039257	1.2389464	0.54686606 0.98682225 0.92338425	0.98682225	0.92338425	1.3758851
Phase-1 RCT-78	0.77107835	_		0.9934394	1.200883	1.0140277	1.0554497	1.0257162	- 1	0.81942785	1.0923178	0.965971	1.0793059
Untrary protein 2 precursor	0.8277928		긔	1.1646835	0.713587	0.9010187	0.90001583	0.96076		0.8885247 0.55738795	0.8117026	0.775577.25	0.87205374
Insulin-like growth factor I	0.57259303	- 1	1	0.9591691	0.8350829	0.69810885	1.1859654	1.1193604		0.9071596	0.8528558		0.82729334
Ary sufotransferase	1.0233244	ᆚ	4	1.1814091	1.299987	0.9456804	0.9456804 0.83851844	0.6930567	١.	0.666/8/8 0.76834165 0.8/76104/	4 0200476	4 0040430	4 4479970
Present RUI-165	1.009/304	1.009/304 1.2334/20	1.0058249	0.0623473	1./3216/9	0.07800748	1.0171806	1 0534307		0.0001130	1 114207	1 0610856	1 1961778
Count	0.00000000	0.0463880	┸-	4 08458R4	0 7450700	1	0.0720028 0.06255018	4 024738B		1 0244119	1 0244119 0 981B4D84	۱,	1 0279847
Solution Install to	1 2503052	4	1	1 2370303	٠	1 4317111	0.8839137	1 0392073	1 -	0.8227094	1.0527912	1.0758228	0.9128224
Calactin I heav chain	1.0694839	Ţ.	٠.	1.1399964	1_	2.18831	1,0275662	0.9655668		12772483	1.0442889	1.1849829	1.0818595
Collagen type (i	0.95716524	1_	ᆫ	0.64648527	0.8628525	0.8683935	1.0091171	0.97056528	0.8733599	1.1145421	1.0591134	1.099322	1.0801872
Phase-1 RCT-179	1.1540234	ш	Ш	1.1934485 0,96084976	0.8295623	1.0237348	0.9642554	1,03769	Ť	0.894759	0.9816111	1.1124415	1.0135547
Voltage-dependent anion channel 2 (Vdac2)	1,336384	1.3447627	1.386468	1.3633182	1.3280164	1.265125	1.2895762	1.1234297		1.0071126	0.9982767	1,1167892	1.0902256
Phase-1 RCT-192	1.0789226	-	_	1.0384403	0.9716664	0.9828426	0.8807884	1.0060437	ч.	0.771831	0.9966442	1.0022706	0.96118285
Adenine nucleotide translocator 1	1.1305182		4	_	4	0.865/838	0.85152800	1.0314013	03/30/60	4 0707094	1.110091	⅃.	0.018/02/3
Thymosin beta-10	1.2908969	7	4	4	4	1.0187026	1.1195964	0.9550267	19	1.0/0/306	1.0774804	_L	0.99333002
(High affinity (ge receptor gamma chain (FeER)(samma)	0.8333817	0.898607	9082809	0.8469642	50101050	1.0731874	GT 1588.0	0.9024923		0.0403	0.031010	chemoo.u	1.00
Gamma-actin, cytoplasmic	0.96587765	0.94149524	0.84756994	1.355278	1.0763612	0.8965104		0.74799764 0.60684663	0.8468082	1.4190978	0.66789025	0.7518075	0.89328474
Uncoupling protein 2	1.2764351	0.98748326	1.2237755	1.2437594	1.1540362	1.1462759	1.04138	0.9403235	1.0517151	1.0543463	0.9991604	1.110257	1.0614508
Phase-1 RCT-34	1.2417206	_	_		_		0.8959011	0.96806455			0.95978863		1.0560724
Phase-1 RCT-31	0.8534578		4			_		1.0812595	_	۷,		_L	1.4864602
Cyclin D1	1.6311865		_	_	9	1.1270787	~1	0.9882389	그		_		0.7229445
igE binding protein	0.92912054	_	_	_	_	1.0276891	_1	0.9102276	_ 1	0.96782494	ᆜ	0.9299597	0.96658045
Zinc finger protein	0.8214053	4	4	┙		٠,		1.0487918	1.0579873	0.9833363	1.0729427	1.0280254	4 2277402
Phase-1 KCI-138	1.0134463	4	4	4	4	_		07608970		4.475005	_L		10001
Alpha-tubulin	1.2002424	0.9943005	1.1848084	-	1.0549.732	1.2666655	1.9885341	4 0057848	1.0416532	1.1/5885	1.0168536	1.1463002	1.04/2034
Apria-pourymosin	4 0338536	١,	٠.	4 4880814	4	1 158931	0.0331316	1 0243604		0 933879	10178577	0.9760985	1.096472
Phase 1 RCT.12	1.0330028	_	4	L	┸	1 252319	1 0215988			1.2416811	٦	_	1,4545006
Catheosin B	0.95891696	1,1166619	L	1.1724919	ľ	1.0102451	1.0691932		Ĺ	1.1328993		L	0.9400481
Phase-1 RCT-24	0.98140115	1.0813498	1.0550641	0.9016449	0.9457044	0.9871031	0.88391733	Ш	0.96164423	1,1883657	0.86600757	1.1743592	1.2509942
Melanoma-associated antigen ME491	0.96076155	0.99045205	0.997305	0,9949661	1,1209311	1.1097815	0.7817388	1.0916529	0.92662305	0.9058779	0.97502893	1.0864704	1.0497285
								.					

Phase-1 RCT-68	1 0182993	1 1531304	1 0504894	1.0837033	1.1440877	1.1570332	1.0484443	0.9509151	0.983961	1.1161438	0.9828708	1.0767516	0.9766213
Oydin G	1.1109953	1.1525946	1.2580379	0.7066745	0.777706	0.9689105	1.0416487	1.0122622	0.96658194	-	0.99748284	1.0105475	0.9127418
Hypoxanthine-guanine phosphoribosytransferase	1.0240201	0.8975225	1.0326848	1.3370832	1.3403425	1.2674739	1.0147275	1.0128499	0.96760106	1.1663437	0.98708457	1.2400029	1.0925663
Tissue inhibitor of metalloproteinases-1	1.1330237	1.1369479	1,2830403	0.9020962	1.1033915	1.1391195	1.0206884	1.1473837	1.0225059	1.0104771	1.0302728	1.0779519	0.9084383
1 -4	1,2615533	1.3146147	1.3827903	0.73996466	0.8581573	0.95263755	0.942963	0.93108356	1,3034993	1.0188749	1.0333211	1.1707402	1.0857637
Ribosomal protein S9	1,2088898	1,1248084		-	_	1.109907	1,131252	1.1264793	0.98440695	0.9224803	1,0465045	1.23451	0.93231
Нетле охуделазе	0.9446513	0.79511267	1.0520005		_	0.87278414	1.0665464	1.0097294	_		0.8956893	1.2546574	1.0266395
Ribosomal protein S8	1.148	1.0036935	1.212705	1.307402	1.4015243	1.0982655	1.0277543	1.1363661	0.96202093	 †:	0.92608684	0.97306234	1.0823162
Kibosomai protein 517	1.4084346	1.3050691	1.4854932	1.3228/23	S S S S S S S S S S S S S S S S S S S	1.14/3213	POSTIGOROS ,	1.1023302	1.88613427	Talchor.	_	4 000 0420	1,05/2004
Nucleoside diprospirate kinase beta isoform	1.09877	1.0/90161	1,456/969	1.0509847	1.26/4/62	1.1300401	1.04885/2	4 4772488	1.0000212	1.02/201	0.0284807	0.0000120	0 0517390
Frase-i RCI-121	4 0704204	0.7950004	4 4040007		_	_	4 0600004	0.0704064	4 05005047	4 2605600	4 075884	4 22E2084	4 1475138
60S chocomal ambain 1.6 (elbernate close 4)	0.8433027	0.97.330030	0.83221555	1 1019409	1 385087	1 1216050	1,050086	1 0438628	0.97878496	0 930419	1 0400557	1 0367974	1 0488125
Both theriffe does 1	4 4270208	4 26420	1 9869607	1 2361000	4 2438454	1 3003246	0.022000	0 8791304	0.86864424	1 1143123	0 802021	1 2649281	1 4117148
Deta-troum, dass I	1.427.0200	4 0262492	1 2274708	4 20803EE	1 2020024	4 427458	4 0406302	4 0527525	0.0585852	0 85014284	4 OR36673	1 0078 102	0 8784431
Retardio	1 0112054	0 8008941	0 6908413	1 0390668	0.9115635	0.7269368	1 019095	0.50540775	0.95003768	2.151073	0.6221959	1 2349494	1,495564
Cathensin S	0.947246	0.93722516	1 1494035	0.8808963	0.8732019	0.9738257		0.8096504		+-	0.99831605	0.8289139	1.0151666
Bilinerillo nedurbase	1 1563157	1 1487450	13	0 80687067	0.8937793	0 9793118	_	0.9753521		+-	1,0101516	1.0917469	0.9464261
Phase RT-154	0 9728951	+-	0.96942425	t.	0 88032573	0.9121558 0.9396923		0 98889405	0 8999308	1 0889157	1073549	1.0663593	0.9925309
Phase-1 RCT-293	1.4789972				1.198498	1.2000381		0.96524817	0.928076	0.89586705	0.96777034	0.9735542	1,0345396
Armexin V	1.3879475	1.1459996	1.2141554	0.9995727	0.9814941	1.092444		0.98405325	1.098367	0.91897255	0,9559153	1.3144962	0.9222842
Complement factor I (CFI)	1.5084509	1.4866849	1,5591593	1.5654742	1.5344905	1,2214165		1.1664926	1.2760028	0.8628166	1.1209046	1.0972278	1.2087835
Phase-1 RCT-276	1.258863	1.3388242	1.1032345	1.2308913	1.371829	1.1828954	1.0139815	5	0.95557123	0.8421357	1.1553407	1.0342854	0.96663773
Tyrosine aminotransferase	1.6940747	1.3450538	1.8039979	1.8954868	1.8710324	1,5636778	_	0.68458223	0.6312726	0.71445066	0.86474824	0.7747487	0.68370116
Glutathlone peroxidase	1,162546	1.264209	1.1041045	1.9379194	1,2842818	0.9947592	1,1804168	1.1632307	1.3581073	1.1079212	1.1392188	1.1079737	1.0404441
Histidine-rich glycoprotein	0.86695415	1.0750732	0.9534341	0.8015338	1.0045171		0.71841896	0.8932222	0.7673964	1,0610898	1.0145997	1.0662149	1,4827397
Carbonic anhydrase III, sequence 2	0.94871867	1.1358813	0.9878999	0.7682258	1.0576476	- 1	0.7735006	0.90112	0.7343755	1.0036691	0.913878	0.948173	1.4003873
Phase-1 RCT-92	0.99248286	1.0825793	øŀ	0.8359088	1.0203378	1.6037513	0.8878049	0.8045916	0.79692584	0.9697097	0.92353374	0.9124113	1,2378045
ransitional endoplasmic reticulum AT Pase	0.9900054	0.9206598	_	0.2020718.0	0.60/4/89			0.9770172	1.01554465		0.090700	4 0335037	4 0004 73
Prizze-1 RCI-38	4 2007000	0.89/528/	-	0.788097.0	4 9400045		4 9709794	4.0459990	4 2740464	1.0233022	4 4 4 8 4 0 4 2	1.0033037	1.003173
PLEASE I NOT 401	4 2507056	7740000	1,220/330	1.000022	0.0004750	1.0147.12	5 8	0 0777955B	1 0800033	0 77E203E	0.0630688	0.0378756	1 1431577
Guattione Stransferase theta-1	1 0444516		1 0022807	0 97936474	1.297035	1.1155844		1.3282545	1.5281242	0.8726201	1.1257445	0.9794065	1.2650352
Phase-1 RCT-168	0.99113303	1.08544	1.0152838	1.0805712	1.1993314	1.0198944	1.0044992	1.0447726	0.98784035	1.1242137	1.0821414	1.2620863	1.1374526
Phese-1 RCT-182	1.0029396	1,3862813	0.9182143	1.3260059	1.2973969	1.1329453	1.0510216	1.028935	1.1142435	0.93071413	1.0570762	1.0466124	1.0382352
JNK1 stress activated protein kinase	0.93417513	0.8389974	0.81329995	1.0492048	1.3084962	0.9194116	0.8284442	0.7118857	0.682459	0.76132524	0.93811333	0.6988762	1.112221
Phase-1 RCT-81	1.352215	1,4763887	1,4186684	1.5260962	1,7599847	1.441407	1.0881356	1.0996834	0.92265433	0.88485736	1.0965097	1.120175	1.0095319
Phase-1 RCT-33	0.98269653	0.91677034	0.9877515	1.0939077	1.0900601	0.9917615	1.1144661	0.70812476	0.8537341	0.95493	0.9098275		0.90099895
Phase-1 RCT-178	0.7967309	0.7744428	0.69385403	0.8534157	0.89599884		0.9521902	0.95625633	0.7878282	1.20035//	1,1395935	ہ ام	0.89351564
Apolipoprotein Cili	0.878228	0.77257895	0.7462365	4 2254792	1.001025		0.90632484	1.0183423	0.88/5141	1.0616973	4 0720279	0.0305438	0.9779025
MADI Adahama hi and adah	0.504.0000	0.02060066	0.07078124	0.0050050	4 4204267	0.756550	4-	0.00040	0.60301733	1 0854364	0 882544	_	1 2001817
Aloha 1 - Intibilor III	0.48611453	0.46402836	0.5105185	0.8197227	0 74047023	0.89808303	0.8187064	1.3605497	1.3941851	0.87840056	1,0005509	1.0305763	1,3097513
Phase-1 RCT-233	1.0491097	1.0106066	0.9249957	10	0.79740844	1.04777	+	0.89939487	0.9563673	1.1401753	1.0717129	47	1.2962923
Paraoxonase 1	0.7415383	0.765952	0.90241164	_	1.092633	0.82139456	0.9065319	0.93758804	1.080976	0.7414972	0.8478844	0.7690818	0.95918703
Presentitr-1	0.48300534	0.43995678	0.49460426	0.8171002	0.7293739	0.8733891	0.85684085	1.3601305	1.3173056	0.923374	1.0545816	1.0521121	1.3232665
Apolipoprotein C1	0.7885436	0.87713295	0.5511113	0.83334655	0.8197776	1.0104177	1.0345109	1.002847	0.8613769	0.80506797	0.7016537	0.91139734	0.90541935
Cytochrome P450 2C23	1.0617442	0.7085878	0.8377543	1.1686864	0.8273016	0.81724846	1.0420192	1.0558982	1.0696892	0.87483007	1.0480505	0.8232759	1.0559592
Phase-1 RCT-227	0.704148	1.1398218	0.77392775	0.9018074	1.4272811	1,01869	1,092621	1.0803473	0.90604794	0.6957378	1.0906979	0.9052244	1.1952057
Heparc lipase	0.6816826	0.8348461	0.87748776	0.745606	0.7498647	0.7513718	4 0544479	4 0495044	4 077020	0 07706/76	1 2/8/493	1 2258366	0.0100571
Mase-1 RC1-164	1.04/449/	1 2736610	1.3004621	0.31403327	0.0030/393	4 087060	1,001124	1.0460344	1.01/022	4 0384075	1 057595	0.0735328	0.01000
Insufficient mouth factor Lexon 6	0.88498473	0.77374536	0.8067661	13330091	0.864947	0.93389434	1.2487366	1.0718781	1.3255228	1.285446	0.7834837	0.848972	0,99533105
N-tydroxy-2-acety/arninofluorene sulfotransferase	1.2205179	0.93484753	1.0825053	1.1434051	12223645	0.9813951	0.9430827	1.1593462	1,0537323	0.63998246	0.8990871	0.95226115	1,0655216
Dynamin-1 (D300)	1 1457201	1 0842416	0.9736155	1 1832037	1.343775	1 2038401	1 0593034	1.0393091	0.9658502	0.956245	1.0382197	0.94853526	1.046778
DNA polymerase bots	1 2257503	1 20R/170	1 3040551	1 0452374	1 2771187	1 2633818	1 0848753	1 1222559	10152575	0 7286316		0.911684	0.8873798
ביים ביים היים אות	10001000	i a i Longe	ייייייייייייייייייייייייייייייייייייייי	11.10000001		12122222		1	12 12 12 12 12 12 12 12 12 12 12 12 12 1	11000000			

Phase-1 RCT-173	0.96413493	0.88774544	-	0.69657993	0.8279744	0 0205803	0.07942045	4 4000000	4 004000	4 4047007	1101011	,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,	0.00000
Ublquitin conjugating enzyme (RAD 6 homologue)	1.1770309	1.0510105	1,2510171	1.0002911	0.8466367		0.99835736	1.1255294	0.982655	0.9219541	1.0399281	1.1252346	0.932471
Ribosomal protein L13A	1,3701069	1.0624647	1.2513981	1.5592958	1.3942051	1.1819656	1.1408056	0.9728406	1.0602574	1.0487988	1.0457848	1.286381	0.9763044
Phase-1 RCT-144	1.1121991	1.1004653	1.0910759	0.9090613	0.8878967	1.0380138	0.956241	0.9738656	0.9807126	1.033265	0.9472964	1.010063	0.9206791
Verlader	1.0245976	1.1115841	1.2530117	1.0562985	1,3481699	0.97171617	1.0789827	1.0459439	1.0794387	0.9028777	1.0190454	0.9432629	1.004788
Phase-1 RCT-273	1,0342048	1.1414992	1.0415913	1.0214039	1.0845035	1.0284325	0.95735604	0.9588157	0.99410206	0.9928043	0.9468133	0.93135538	0.7454687
Phase-1 RCT-230	0.9865127	0.946827	0.9231017	1 0073223	0.7000330	0.90902034	0.8384304	0.936/89/	0.8518992	0.9338546	4 0070000	0.9542527	0.905915
Phase-1 RCT-74	0.9104232	1.1965545	0.85152155	0.99251044	1 011416	_	-	0.89430094	0.8831133	4 241014	902078700	1.00.50.50.1	0.00000100
Phase-1 RCT-80	0.9901568	0.95379514	0.9678215	0.95170254	0.82874384	-	-	-	0.88046473	0.9555331	0.80540735	0 8259211	0.8332997
Phase-1 RCT-158	0.97230846	0.91420144	1.0302926	0.79571708	0.72407573	0.8094564	-	_	0.93804735	1.0239764	1.0067606	1.0024831	0.9458889
Deoxycytidine kinase	0.7804346	0.98872495	0.98177713	0.7897769		0.92554456	1.0019498	1.0918063	1.0801587	0.9142008	1.2691118	0.9906759	0.7417486
Inositol polyphosphate multikinase (Ipmk)0	0.935575	0.91776496	0.96088654	0.9219216	0.7716512	0.8723719	0.81132746	0.86884695	0.9066597	0.9290273	0.86600465	0.8271887	0,9145643
Neuronal cell adhesion molecule (NrCAM)	0.90684095	0.9864135	0.97017354	1.0655391	0.9207015	0.94685537	10	0.90738046	0.93112874	1.1663251	1.0492306	0.9694564	0.81677
Hepatocyte growth factor receptor	0.8127052	0.7746846	0.72068036	0.8953583	=	0.78930324	1.1871877	0.9605814	1.1004299	1.090685	0.96650445	1.0918928	1,5920218
Complete State Do	0.973617	0.8777167	0.8721621	1,0547464	1.0759851	1.010331	0.8103048	0.8365262	0.75288606	0.95331997	0.9273747	0.8981565	0.7058791
Dhoo 1 Dr.T 64	1.1172934	1.3028952	1.2032621	1.3703439	1,5182401	-	0.97931445	1.0440497	1.0419647	0.98456234	0.94270927	0.94061893	0.8501076
For report for chancel	1.0255342	1.0342026	0.8969381	1.4374405	1.0743687		ᆔ	0.8988144	0.9187741	0.9230769	0.8756961	0.9095083	0.9369781
Administration of the state of	1.2/61863	0.95/0/256	1.0865215	0.9749007	1.0002033	0.9901191	. 	0.91395738	0.8793849	0.958808	0.93115926	0.93499535	0.8563894
Cavadin-3	4 0301103	0.991118/6	0.8943/16	0.72775674	0.7337951	0.7603338	_	0.8668553	0.73977953	0.9159796	0.8330056	0.7974687	0.6890873
Phase 1 RCT-120	1.0261462	4.00009003	0.928/39/5	0.8920643	0.8853319	1.080433	-	0.87719897	0.8660729	1.0651329	0.9880269	0.9824753	0.79454494
Phase-1 RCT-94	0.8000040	0.0537047	0.92/0/753	1,00278096	_	-+	0.7972162		0.84435874	0.9176733	0.9083559	0.8433904	0.8210878
Samodasmic ratio them rate ann ATDaco	0.92/11/3/	1907/087	0.34/600.0	1.0027082	əİ٠	e i	0.90083164	-	0.97847116	1.0207373	0.93671626	0.9204283	1.0245576
Phase-1 RCT-79	1 013707	0.021396	0.052640	4 0440552	0.7910371	1.0100812	0.900783	0.8671648	0.9658532	0.9722773	0.9065908	0.9439349	0.868624
Phase-1 RCT-252	0.051761	7 1	0.71020806	0.859918	0.91735006	0.9286455	1.031671	0.9106698	4 0462307	0.9202695	1.1222854	1.1479465	0.9819905
Phase-1 RCT-151	1.066588		1.0346305	0.95531404	0.96115255	0.89641404	-	0.91181287	1 024159E	1 1641354	0.9330734	1 0600132	1.04/3612
Phase-1 RCT-70	0.9691556	1,2162663	0.8304035	1.1247804	1.1255876	1.0445757	٠.	0.9368683	1.0389199	1 6420985	0.91631716	1 5735667	0 93152964
Phase-1 RCT-150	0.70903087	1.0111668	0.9830833	0.99279577	1.1083768	1.001245	1.2994884	1.1696029	1.1764979	1.1287348	1.3114564	1.4572793	13581927
Za-hydroxyvitamin D3-1 alpha-hydroxylase	0.89678746	1.0163624	1.1126927	0.6849069	0.61769678	0.8097007	0.9701509	1.0517114	1.0047758	1.1044579	1.0517198	0.9831893	0.828253
Prizze-1 RC I-119	0.41970706	0.73771733	0.43270272	0.98524755	0.81620497	0.82911503	0.9278123	0.83386314	1.0116128	1.1168777	0.9578014	0.99368465	0.97566885
Phase-1 RCT-148	1.0140221	1.1002069	1.1233325	1.0759414	1.311786	1.0929551	1.2500901	1.297303	1.3519835	1.3613467	1.2114456	1.3046417	0.98021764
Supernylde dismidase Mn	4 2257403	1 9000113	1.03 12347	0.6960639	0.7836394	0.92558414	0.85899293	0.9796795	0.8998202	0.9441484	1,0135881	0.94997525	0.9368497
Phase-1 RCT-115	1.247656	1 288404	1 277959	1 3944594	7 1703907	1.200382	1.1780657	1.1686528	1 0305500	1.1394492	1.129725	1.1959537	1.1027157
Alpha-1 microglobulin/bitamin precursor (Ambp)	1.3794248	1.4971727	1.4347867	1.549811	1.7922391	1.4725221	1.1825497	1,2028047	1.0130603	0.8408277	1.0909973	1.1167821	1.1407892
Phase-1 RCI-18	1.0287815	0.85278926	1.0005987	0.98541266		1,0232568	히	-	0.89529145	ᆸ	0.94814557	1-1	0.95550144
Decorio	0.7388975	0.99546474	0.9270596	0.85069627	0.9310392		_	-	0.88511884	0.8916583	ᆵ	0.87956345	0.7054464
Retinoid X receptor at pha	0.8497679	1 1068015	1 0281503	0.3007 104	_	0.02450745	4 05727270	1.84501634	0.8032226	0.8511787	0.9288307	+ 000	0.97185117
Celtular nucleic acid binding protein (CNBP)	1.1158662	1,1130764	1.1536142	1.1916307		-	700000000	1 0633203	1 0013822	0.005605474	10118068	_	0.36406) /4
NADPH cytochrome P450 oxidoreductase	0.93665457	1.04804	1.0045353	0.8585203	1.033585	_	+-	0.99111354	1.0396476	1 2358155	1.0982035	1 1426502	1 213655
Malic епzyme	0.71687573	0.81467354	0.6630443	0.5381083	-	0.78400207	1.197883	1.1137086	1.307659	1.3331271	0.8983307	+	0.84670454
Caspase 1	0.88426715	0.91834694	0.8926783	0.6103897	_	0.97783524	0.9158297	_	0.93167126	1,2123139	1,088369	1.0779474	0.95600337
DARGO DE	1.0688258	1.052538	1.1829597	1.2226878	1.2173318	1.1449918	1.0668005	-+	-	0.84945244	1.1330378	0.9185944	1.3013784
Poly(ADP-those) nolymerase	1,1121/69	1.2996013	1.4052888	0.74149704	_	1.122785	0.8622025	1.0350207	2,0	0.94531953	0.983964	0.9177188	0.8806158
Tissue plasminogen activator	1.1177018	10212727	1 1875848	1 217346	4 6446704	4 0550053	1.0391626		0.9721965	1.1302532	1.0342768	1.1734868	1.1117812
Multidrug resistant protein-1	1.0469954	1.23871	1.1489909	0.7471545	0 78916824	10102626	1 1048311	11144785	4 5355309	1 024 4608	1 0405220	1.0160311	0.8905484
Phase-1 RCT-207	1.0633217	0.95141125	1.0384041	1,2777399	0.73228383	0.8810274	1 0045472	+-	0 94527715	1 2053261	1 2114515	٠,	0 00601807
Phase-1 RCT-181	0.92414075	0.9035757	0.88039863	0.91152227	0.94651586	0.97764206	0.9915999	1.0203453	1.0824454	0.9865335	0.9928983	-	0.9675562
Gap junction membrane channel protein beta 1 (Gib1)	0.98518455	1.4510382	0.8943381	1.3516496	1.3471582	1.1951393	1.6567571	0.9164935	1.5153829	1.5355358	0.919213	1.5903025	1.551923
Aquaporin-3 (AQP3)	0.8382462	1.0349002	0.81998867	1 0275537	0.97490364	1 012484	0.0285042	0 000004	F630160 0	0.0000074	4 0000700	_	27777000
Myelin basic protein	1.1272926	-	1.2092689	0 99300146	1 0320323	1012126	1 1065224	1 0017071	1 082/077	1 404ERES	1.0039765	3	0.9584447
Calgrandin B3	1.0238827	0.8908346	1.0582463	0.75825383	-	0.84370476	0.9628117	-1~	0.04037736	1.1340300 4 A233764	1,014807	1.08//18/	1.1614497
			-	1.1 20200001		0.040104101	0.50201171		0.843377301	1,0633/51	0.95966111	1.015372 0.9698360	,9698360p

Dhaca-1 DCT-158	4 0500057	0.520057 1.627013 1.175009 1.0463619 1.1144736 1.2219226 1.0381737 0.9886454 1.1244941 1.1844106 0.9420844 0.93997828 1.0522237	1,1726009	1.0469619	1.1144736	1 2219226	1.0381737	0.9986454	1.1244341	1.1844106	0.9420644	0.93997928	1.0622237
Proteasome activator 28 atoba	1.0820715	1,0357869	1,219517	0.73730665	1,218517 0,73730665 0.78665688	0.857759	0.857769 1.0430508	1.0859379	1.0534103	0.8407846	0.9647698	0.833888	0.833888 0.90168816
(1) Gene expression data for 72 hour timepoint am one-seried as mean ratio of treatment/control													
for all 72 hour predictive genes (Table 23).													
(2) Compound and dose abbreviations as in Table 1.													
(3) Individual animal number													
(4) Liver infarmation classification for compound doso more at 72 h vis-nect necross observed:								-					
yes-both, necrosis with inflammation observed;													
no, no histopathology observed		-											
(5) Predictive gene (as in Table 23 and as							1						
Included in Table 20)													

Table 30. Expression Data for 72 Hour Timepoint													
			П		П	П	٦	Т			7016 50	TET 450	150
Compound-Dose (2)	STRZ 20	STRZ 20							TAM 50	1AM 50	1 AM DO	247	1248
Artimal Number (3)	1728	1729	1737	1738	1738	1457	85	25		1	١	1921	TO COUNTY
Liver Toxicity Inflammation Classification (4)	8	2	٤	2	2	2	2	2	8	2	2	Solled	200
Gene Name (5)	1,400004	4 4 4000004	4 354770	0 0000046	4 220864A	0.86277487	0 96121514	0 9168518	1,1506951	0.8184298	0.9235434	0.6898616	0.6291339
Phase-1 RCI-10/	7.4490994	1.1200301	0 76191616	0.5009213		0.37196717	0.40012664	0.3756826	0,38859197	0.8091702	1.	0.50009704	0.25745818
Delibertes of a solor pation con	1 230074	0.0533823	0.0164068	0 74956554		1.0810026	1.3164668	1.1199329	1,1565125	1.0259466	1.0431465	0.7944168	0.7591012
Citadhama D460 2018	0.79579705	1 268232	1 6569328	1 7088546	1 2547769	0.9329941	0.9621029	1.0300053	1.0288837	0.83334833	1.0165128	0.5751232	0.70265996
Cytodroma P450 2C11	0 8320344	0.9201089	0.9201089 0.69845194	0.8527751	0.9220443		1.4142562	1.7224123	1,8105075	1.2024767	1,1388794	0.8542774	0.800182
Dhaea-1 RCT-290	1,216917	0.8891509	0.86606264	0.7687791	1,053919	0.5143609	0.51173097		0.56283045	0.8366842	0.9041629	0.9041629 0.65257305	0.4169931
Phase-1 RCT-59	1.3344548	0.8144755	0.8485368	0.83626133	0.92755234		0.8068869	0.8068869 0.80519134	0.806898	0.7894463	1.055462	0.90276164	0.7718754
Retauctin sequence 2	0.6950991	1.213172	0.9740806	1.0384789	0.81514937	1.1101569	0.9998228	1.034017	0.950477	0.78938836	1.1876013	0.5892997	0.594144
Dhasa 1 PCT 202	1 1432822	1.1017989	!_	1.3243392	0.89711565	12376605	1.2966425	1,2679335	1.3037096	1,0804348		0.9942531	1.080346
Puncata kinasa musala	2 439358	10		1.0870942	1.2145262	1.0311542	1,3139831	1.583705	0.8967425	1.1414819	0.9813544	0.85983396	0.6784725
Ostocartish	1 2243099		1.0846802	0.95745194	1.1001284	1.2981797	1.4004896	1.4354622	1.1097194	1.4593738		1.4489881	1.111706
Calgrandin B1	1.0862466	1=	0.9874293		1.2570667	0.82458675	0.86897606	0.9075859	1,0998076	1,1190886	0.93236065	0.64305305	0.8151461
Apolipoprotein All	0.45918557		0.5248302	0.64772224	0.73745364	0.5425714	0.75541013 0.82474244	0.82474244	9	0.4179815	-1	0.33692843	0.29619628
Cornexin-32	1.4766953	-	ᆫ	1.7587031	1.5295956	1.075753	0.639167	0.79549515	1.0519246	1256216	_	0.6189352	0.70213014
Phase-1 RCT-109	0,74661946	1.011249	1.1535703	0.65542954	0.919185	0.865861	0.9696283	0.8710962	0.99708563		0.9232483	_[0.593252
Gweine methyltransferase	1.2149953		L	1,6376675	3.1975884	3.1975884 0.78646404	0.90289295	0.8546991	- 1			0,5300259	0.5810583
L-culono-camma-lactone oxidase	0.6279897	0.7593682	0.9819048	1.1083311	1.4385376	1.4385376 0.55437934 0.45158088 0.42897233	0.45158088	0.42897233	ŧ				0.59176093
Phase-1 RCT-256	0.79022014	Ц	Ц	1,1292363	1.516328	0.9896604	0.86953396	0.84835595	۳1		4		0.6845456
Carbonic anhydrase III	0.9437767	1.558297	1.6383838	2.102971	2.813067	0.60253334	0.19097233 0.23496015	0.23496015	1,8935399		4	1,8412561	1.6560922
Phase-1 RCT-78	1.0694075	1.119856	Ш	1.0511342	1.0335469		0.93430674	0.8236732	-		<u> </u>	1.121039	1.3304852
Urinary protein 2 precursor	0.49151722	0.8199974	0.9257114	1.0413243	0.75764598	0.6816437	0.6439863	0.6779386	0.7782897	_	┙	0.810978	0.98884295
Insulin-like growth factor i	0.48145145	Ц	_	0.8023364	0.85711104	0.7439446	0.6710431	0.64037704	0.73645586	0.9196208	1.11976/3	0.7/4/831	1.0406738
Any sufformsferase	0.59455097	_	0.7713219	0.8713459	1.328839	٧,	0.6168362	0.6048337	1		1	0.0222309	1 1004187
Phase-1 RCT-185	0.7080291	4	1.0893444	1.3998512	1.54653	0.9595471	0.9784353	0.9025/75	٧.	0.00004020	1	4 E070074	1 7606/3/
Cofflin	0.7707647	_	-	1.228446	0.62813984	0.82813984 0.52844334 0.64033204	0.64033204	0.0170504	0.7708223		0.00340000 1.0410373	10	0 7953818
Stathmin	1.103538	_	_	0.8609514	0.83003676	4 0040004	4 970038	1 2584774	1 1200544	_	1 0452857		1.3797946
60S ribosomal protein L6	0.63658035	2	21	0.6/920/8	0.0909312	0.8246350	0.0748456	0 9778951	1 0380106	1	┺	1.5026442	1.1654438
Calpactin I heavy chain	1.3/6051	4	4	4 4504627	4 0040645	_L_	0.3710425	1 865747	1.0/10316	Ľ	ᄪ	2,6205215	1,3550191
Collagen type II	0.923/624	┵	1.0342004	1.1334027		1	1 0997127	1 0308352	1,232,7086		-	1,5439694	1,5281963
Phase-1 RCI-1/9	0.7203012	4 4554033	1	1 2769496		0.8777504	0 9488451	0.8780261	1.0451993	L	0.8530932	1.07777891	0.9756405
Dheen 1 PCT. 102	0.7784321		L	1.0878023	0.9729429	1,4717685	1.6335589	1.4334843	0.9834151	0.99902225	0.9543006	1.2512774	1.0400229
Adenine michenide translocator 1	0.58425283	L	Ļ	0	0.7424973	L	0.91759706	0.842804	0.7975672	0.8037867	0.97077584	1,3489165	1,3323421
Thymosin beta-10	0,78056765	드	Ľ		0.8103728	0.68879586	0.9775659	1,2343289	0.7926056		0.8731886 0.73462427	0.8378507	0.6533549
High affinity to E receptor gamma chain	1.0050336	0.9270305	1.1158305	1,0800115	0.9542303	0.89025205	1.0058405	1.0183703	0.9032592	0.97235125	0.95691	1.3271794	1.1933444
(FcERigamma)	00101210	0.00774406	0.0420466		0.004440004	0 9270770 0 08440004 0 97456889	0.0108636	1 0732131	0.8413016	_	0.82230145	1.5400298	1.0568148
Gamma-actin, cytopiasmic	4 248080		_	_	0 99146044	1 0232241	1 3016206	1.4715091	0,8838153	_	1.1049342 0.9974108	L	0.73327726
Dhood A DCT-34	0.85875785	4.	1.		0.8864795	_	0.8787275	0.8086101	1.1548043	0.9251071	0.91514987	0.99053925	1.0975033
Phase-1 RCT-31	0.5528648	Ľ	_	1.3732961	1.2191975	_	0.2988398	0.27345917	0.7322081	Ц	_	_	2.0410388
Cyclin D1	0.82659537	Ļ	_	L	1,5376081	0.89821875	0.7241426			_		_	1.2645975
loE hinding protein	1.2080109	-	_	<u> </u>	0.94080573	1.0266514	1.5591253	1.6776943		-		4	1.0545791
Zinc finger protein	1.1011443	1.027155	0.88555384	0.7641532		_	1.0951006	1.114825	_	7	_		1.115625
Phase-1 RCT-138	0.99176264		1.0408947	1.12392	1.0293933	_	1.1903229	1.1645329	이	-	_1.	1	1.150/02/
Apha-tubulin	0.8482105	_		_	0.9958774		1.0705589	0.9604809	0.812559	إد		1.333101	4 4549844
Apha-prothymosin	0.6266907		<u> </u>	_	0.6838969			0.5037957	1,0425554	1 0523458	1.10/021/		1 2163705
Calpain 2	1.1774316		_	4	4 200225	4.0477442	1.0397734	70096700		┸		0.8440369	
Phase-1 RCT-12	1.001223	1.5404131	8782979	1.3636953	1.0003333	1	1 6034989	1 6336026	_	╄		╄-	
Carrepsin b	0.003284	-1-	4	4-	1 0845702	Ļ	1.0305177	0.92259127	0.845805	Ľ	0.7955263	1.3247733	0.83267194
Melanoma-accordated antinen ME491	1 1674%52	0	1	<u>اد</u>	↓_	┺	1.1116485		0.9183884	1.0253241	1.125158	1,5585691	1.7701731
INCIDENCE CONTRACT CO			4		1	1		ı					

2000			10000011	0071000	2000	10047000	4 0575044	4 0447049	4 2524204	4 0294807	1 00068821	1 1518235	1 1310898
Prinse-1 RCI-68	1.2533047	1.064/455	1.1169822	0.8251179	1.12263	1.3721974	1.7736509	1,8174227	0.80251396	0.8559458	1.0878063	1.1632564	1.0023896
Hypoxamhine-guardine phosphoribosyltransferase	0.8808339	+	0.76867527	1.0247474	0.8022641	0.8140731	0.8679831	0.85980344	0.7501996	0.746833	0.9299498	0.9251088	0.7473104
Towns inhibites of small passed in the state of	4 3627048	1 0705994	1 1136794	0.9991511	12539666	1.0421947	1.7888073	3.126945	1.0809503	1.0374554	1.0916882	1.027924	1.0207481
ID-1	0.91662278	1.3918084	1.0446715	1.2125318	1.2002558	1.1570505	-	1.1542671		1.1528199	1.1182126	0.8450687	0.8200442
Ribosomal protein S9	0.6152145	₩			0.91100866	0.8497704		0.95867515	-	0.85707974	0.9418319	1.3916678	1.1614269
Нетв охуделаѕе	1.0108157	0.7588112	-	0.76780564	-	0.9629455	2.3488657	3.256237	1.0091981	4 0687653	1 0523475	13358127	1 2842228
Ribosomal protein S8	0.6296294	0.93702745	1.2287263	1,0598046	1,3393131	0.8081791	1.1010401	0.9937398	1.0143608	18	0.94095075	1.3207366	1.3576534
Ribosomar procein 317	0.5376464 0.76246168	0.87 19 12	1 3455538	1 2011223	1.11707	1.0504186	1.3778458	1,2780124	0.8557452	-	0.9893328	1,1769778	1.0320437
Phase-1 RCT-121	1.0532557	0.9839483	0.8410542	+-	0.73483074	1.0194052	1.2408221	1.417324	1.0129507	Ø	1.0190575	٠,	0.78790766
14-3-3 zeta	0.8351129	-	0.84262615	-	0.85586184	0.967304	1.0626543	1.1143247	1.0741764	-	0.98589015	1.0776157	0.7334917
60S ribosomal protein L6 (alternate clone 1)	0.69871885	_	1.218231	-	1.21882	1.0048615	1,3763187	1.2550375	1.1244115	-	1,0815621	1.0948979	1.1968341
Beta-tubrilin, class I	0.9235838	1.2314029	1,5150688	1.5823231	1.1755879	0.6779704	0.793546	0.7769321	0.72543347	-	0.61816794	1.4156831	0.7321124
Organic cation transporter 3	1.1575669	0.8524823	Н	0.68682843	0.6279067	1.05086		0.8883315	1.1732975	1.1519208	1.0038176	1.2626771	12327434
Beta-actin	0.7766707	1.3493251	1,031318	_	-+	0.86448437	0.8909391	0.94195384	0.81887543	0.77376804	0.7471425	1.2042717	78002316
Cathepsin S	0.8455864	0,87610626	1.0532115	-	0.90041083	0.7817898	1.2957855	1,7207108	0.79802287	0.88368803	_	1.401231	7.46.76
Biliverdin reductase	1.4070207	1.0098919	0.9844813	1.0074707	0.9906388	1.1862991	1.4580387	1.1774156	1,2151084	2433433	4 0354464	0.00113074	4 0777777
Phase-1 RCT-154	1.0221314	0.9922736	0.86791164	1.0314462	0.8180467	0.8836709	0.3492232	4 4205620	0.00000400	4 4447475	750000	1 4295901	1 1581489
Phase-1 RCT-293	1,2253299	0.98243994	-	٠.	1002001	1.2109043	20444507	2 000000		1 3045444	1 0287087	1 0540233	1 1994355
Armexin V	1.1601754	1.0088307	-	0.66632617	4.2520164	1.33/0009	4 0447045	4 7/100807	1 8207054	1 R100025	1 4500551	2 5247858	2 4847775
Complement factor I (CFI)	0.6514498	1.1193947	1.1425636	1.2629021	0.034802	1.0040003	0 7008 158	0.7466436	Ľ	0 6960112	1 0711504	1.1905528	1,5723358
Prese-1 RCI-2/6	0.993001493	1.0939339	0.9000004	1.1000001	,	0.64783476	0.1500150	0.81014436		0.6115178	0.943513	1.9650794	2.5670922
lynosine aminoransierase	0.30309030	0.01/0400	517	0.000E0E0E	_	1 1430738	0 9335017	0 7109744		1 2491491	1.3844254	1.3712122	1.9274677
Cilitating de di constalla	0.3466216	4 1720711	- L	1 1370361	1 2512642	0 724364	0.79860735	0.759672	0.68608546	0.82926345	0.76446708	1.9263943	1,9311111
Carbonic patrolement Carbonic patronement	0.57219696	1 1070514	0.8472781	1.1005441	0,82258	0.6585263	0.71888727	0.6560653		0.79249907	0.74138	1.9289016	1.9569339
Dheer 1 DCT 00	0.78574187	0.9502134	1 1266026	1 2802374	-	0.69597214	0.7884085	0.71399236	0.84048814	0.89833325	0.8936479	1.5759394	1,5057322
Transitional endoplasmic reticulum ATPase	0.7972375	1.1952288	1.0427284	1.3643146	1.0184547	0.94589114	0.86296606	0.83585304	_	0.91680306	1.0387499	1.4381731	1.3731878
Phase-1 RCT-88	1,0957181	1.0362532	0.82933795	0.9360968	0.81468	0.75064194	0.8538526	0.8284061	0.82301116	0.9011477	0,894365	1.2587891	1.3246624
Phase-1 RCT-296	0,57847905	1.0011846	1.113528	1.2107216	1723	0.81171054	0.8122854	0.7307933	_	1,0693653	1.0582715	-	2,1260033
Phase-1 RCT-161	1.4599262	1.3455257	1.2971865	1.5410577	1.9275031	0.80192673	0.6892055	0.645852	-	0.8102959	1.0429349	1.2793273	4 0046702
Glutathione S-transferase theta-1	0.8867731	1.0399605	1.1985623	1.419214	1.1581726	0.9495606	1.2030764	1.0211728	0.87649953	4 4 4 5 5 2 4	0.7262038	1.132837.1	1.0040/82 1.5816833
Phase-1 RCT-168	0.85872215	1.082689	0.96358055	1.1187313	1.0638988	1 2294359	1,1599244	1.1605943	PC00528.0	1.113021	1,3200201	1,00000	4 7048045
Phase-1 RCT-182	0.7817273	0.94629955	1.2611825	1.200898	1.2438716	1.1345049	1.013411	0.9651273	1,2304092	0.83013774	1.0922000	7473047	0.6581580
JNK1 stress activated protein kinase	0.8714781	0.95207226	1.0123389	1.0133944	1.5970261	0.9187029	1.0015393	0.9165434	4 2052428	4 4 4 6 0 6 3	0.9863863	4 1001006	1 2140749
Phase-1 RCT-81	1.197736	1.0085053	0.9978987	1.0666089	1.0332931	1.2628028	1,353/011	0 82442564	0.7096167	0 65333116	0.82297268	1.003576	0.9908739
Phase-1 RCI-33	4 0770643	1 0071018	0.7603320	4 4935101	1 2091719	0 7373262	0.6912259	1	1 2312409	1.0829167	1.0947787	0.32811937	0.38437313
Andiscentific Cili	0 7762484	0.8897858	0 79465944	0 85438246	0.78241678	0.68678755	0.4220249		0.763236	10	1.0837048	0.87092423	1.0050712
Phase-1 RCT-98	1.2580825	0.98459977	0.99246854	0.96051824	1,0268133	0.7410806	0.6535163		0.9774157	0.8993151	0.92781353	1.0249015	1.1598634
NADH-cytochrome b5 reductase	0.8501107	0.9521039	1.1164029	1.3497388	1.5421277	0.9404967	0.97271067	0.9581257	-	0.471599	0.41612625	1.4108414	1.3602687
Alpha 1 - inhibitor III	0.5595495	1.2134271	1.2780526	1.3290783	0.6907794	0.96003574	0.5070952	0.5070952 0.42477262	ч.	1.8058584	1.416724	1.390,038	4 0542004
Phase-1 RCT-233	0.870195	1,2240701	1.2186466	1.485175	1.1651438	0.79635686	0.8626068		٦	0.9551414	0.8593/88	1.3854072	7 4449902
Paraoxonase 1	0.49593377	믜	1.0867616	1.0182929	1.1741096	0.7145455	0.7609288	0.006500045	0.324221	4 242/003	4 4446630	4 4448115	2 119075
Preseniin-1	0.48431504	1.2477808	1.2320577	1.3458834	0.7070613	0.95/0859	0.5024464		-	0.666046	0 9507824	0 83008983	1 7913048
Apolipoprotein C1	0.5518714	0.8656991	1,1080223	1.2/308/4	1,00500/4	0.0439039	0.3363336	-12	1 0437006	0.9823846	1 1085724	1.0090829	1.5923204
Cytochrome P450 2C23	0.48882568	4	1,474,6407	4 69775677	4 466664	0.0307320	0.004068		1	0.9068688	1075881	1.2714665	1,8463769
Phase-1 RCI-227	0.94378888	1.3000143	┸	0.8478584	0.6081925	0 64648557	0.47553942	0	0,6756653	0.6916008	0,7827737	1.0700388	1.2863448
Dhaca-1 DCT-184	0 9007969	0.8893122	0.46199134	0.8871523	0.80821836	0.8423506	0.801901	0.8318071	0,9695705	0.9378017	1.0939037	0.8725679	1.04261
Multidate resistant profeio-2	1.1542767	1,3571384	1.6923106	1.5719404	1.8383039	1.1636235	1.2869731	1.2983185	0.9097399	0.88089424	1.0694923	0,78353095	0.89068717
Insulin-like growth factor I, exon 6	0	1.1393111	1.2216674	1.384153	1.0300838	1.147367	0.74532133	\dashv		1.430333	1.5775958	0.59893143	0.82561713
N-hydroxy-2-acetylaminofluorene sulfotransferase	a 0.6829965	0.8853972	1.0481176	1.0879674	1.4004521	0.9627996	0.7668885	0.9319807	1.359605	1.0204064	1.1881144	1.0166205	1,5309821
(Strict)	1 2564835	1.0753074	0.9846917	1,0697788	0.99029124	1.0162878	0.9952914	0.87229323	1.1671246	0.9740199	1.0277789	0.9733255	0.8612941
DNA polymerase beta	0.8819683	Ц	1.1793504	1.0663577	1,0152681	0.7826159	0.8955486	0.87599623	0.88606596	0.78096986	0.9382609	1.0785624	1.2092018

Phase-1 RCT-173	1.0653462	1.0307723	1,0381725	1.001258	0.7884076	0.6844239	0.6756755	0.7045154	0 7386877	0.8560775	0 8840870	O 5009 100E	00010030
Ubiquitin conjugating enzyme (RAD 6 homologue)	0.9839752	0.88413185		0.8375875	0.8277871	1	1.1082156	0.98401946	1.0226165	0.9337607	0.9566788	1.3842158	1.1766691
Ribosomal protein L13A	0.64423025	1 1365991	1 0387017	1 2030374	0 88034694	4 040000	4 240200	7,47,000	0,07504	1.000000			
Phase-1 RCT-144	1.1007382	0.9527018	0.9518838	0.8999145	0.00334004	0.0520800	1.218399	1.1//829	1.10/3616	1.1822925	0.9912565	0.8710556	0.6451947
c-H-ras	0.8592924	1.0033635	1.1213756	0.9707057	1 0325733	1 2831056	1 2120475	1 2436482	1 04979	1 1518/49	0.93123376	1.250104	1.0949895
Vesicular monoamine transporter (VMAT)	1.8427993	0.8028446	0.8136277	0.5891152	0.6461658	1,2627136	1.2067548	1.1894232	1.2422867	1.1793263	1.0514407	0.07 18307	1 0389403
Phase-1 RCI-273	1,3965007	0.90463835	0.9085162	0.8128078	0.82035965	1.1374794	1.073095	1,0318356	0.8965431	0.92701024	1.048808	٠.	0.94733816
Phase-1 RC 1-230	1,5155922	0.8725598	0.8174333	0.7342482	0.79555607	0.9930898	1.0305598	0.99131495	0.9776887	1.2462212	0.99246		0.8869012
Plase 4 Drt en	1.7336878	0.84388775	0.8503508	0.66154915	0.72828597	0.7980339	0.8680431	0.8910074	1.1655027	1.189951	1.0105193		0.77739155
Dheer 1 DCT-169	1.7317445	0.8616395	0.7518408	0.673655	0.68112874	1.0077275	0.8841895	0.85607505	0.77680355	0.95248735	0.9061007	0.71056217	0.82859874
Documentaling Manage	1.7205688	0.9559501	0.8011566	0.6786845	0.8280687	0.9775389	0.9775369 0.99017763	0.98077804	0.7767564	0.86869305	0.9081632	1.085972	0.68371594
Institute columbiate mattrionee flowers	1.3565471	0.8398175	0.88965577	0.5980969	0.8136697	1.1274488	1.1236749	1.2190699	1,990136	1,5000976	1.0996827	1.1578362	1.3465948
Neimosi cell adhecier malanda (N.C.A.A.	1.4263108	0.9901828	0.8820762	0.8781861	0.9603414	0.9970643	0.9970643 0.87690204	0.8575647	1.117077	0.9081009	-	0.93004453	1.0747084
Henatocke count factor recentor	1,0090431	4 2778660	1.8585747	0.7159984	0.5535302	1.0629445	1.1016486	1.0764073	1.2371591	1,0734524	1.0161401	0.5897693	0.5461407
Emoty	9 7573745	0 9063636	1.1134214	0.9985434	1.1260455	1.16163	1.3432435	1,5089508	_	1.3024807	1.1777353		0.7961329
Dopamine recentor D2	1 1280502	4 0412024	4 040004	0.02600107	4.4600004	0.945616	0.945516 0.98911434	0.990179		0.98783857	0.93678796	_	0.67331165
Phase-1 RCT-51	1 5059057	0 92371786	0.0130001	O ZRRPKRR	1.1568394	1 0242477	0.8544182	0.80337435	0.8961226	0.8321978		_	0.82962054
Four repeat ion channel	1.5596192	0.86133695	0 82936966	0.71188015	0.7755770		0.666/263	1,0588923	1.2/44464	1.202953		0.92085856	1.0586276
Adrenomedullin	2,7280282	0.7625758	0.78905	0.5290072	0.5582337		0.200100	0.92742065	0.0322234	4 4804767		0.9011659	1.0090746
Caveolin-3	1.663286	0.8768543	0.8545884	0.69133218	ACTRC87.0	0 7034606	0.190023	0.55062500	4 270 420		_	200133	0.7920128
Phase-1 RCT-129	1.7626818	0.9787126	0.91145986	O R479808	1 017530	0.7831800	0.040000	0.70977459	4 4570040	1.1/00330	4 9305450		0.7395342
Phase-1 RCT-94	1.2623335	1.0078852	1,0048919	0.9087887	0.8496006	1 0778873	1 0745613	1 0801642	1 1150806	1.0003303	1.0390459 0.72370803		0.62831544
Sarcoplasmic reticulum calcium ATPase	1.0679283	0.9038398	0.86582315	0.7758436	1.1026583	1.7203364	2.381474	1.9158992	2.4924848	3.2478817	1.1593629	1 0083236	1 152004
Phase-1 RCT-79	1,2372392	0.926309	0,8874139	0.847607	0.96901464	0.96451557	0.97723085	0.96834296	1.0333091	1.0790962	0.9026548	0 RR05837	0 081024
Phase-1 RCT-252	0.62156785	0.9400028	0.8480161	1.0392187	1.3229312			12	0.61103475		0.60353893	-	0.71333486
Phase-1 RCT-151	0.91941625	1.1716304	1.4265943	1.2600534	1,0553518		1.0851207	1.2828091	-		0.936985		1 24 17531
Phase 1 PCT 150	1.3961308	0.92153543	1.0830218	0.9432026	1.0063918	0.8583385	0.85449654	0.85525537	1.1274722		0.99407166	0.99294084	0.6825273
25-hydroxyvitamio D3-1 alpha-hydroxydaea	1 2275506	1.000/000		1.5401323	0.97551817	0.7531111	0.7063137	0.79332393	0.8758745	0.8738361	1.0142084	1.1180307	0.98560244
Phase-1 RCT-119	0.018253	0.9124866	C08/802-L	0.65849285	1.433952	1.1316173	1.0692269	1,0875534	_		1.0630328	0.9151768	0.9473092
Penxisomal 3-ketnand-CoA thiolage 2	0.010464	4 0679743	4 4524070	0.8300/46	1.3125867	0.6213505	0.4842612 0.48778278	0.48778278	0.6257214	ᇒ		-	0.72561145
Phase-1 RCT-146	1 468 2018	0.00720754	0.1021070	0.5670702	1.5194219	1.3586808	1.026989	0,99927455	1.1438378	-			0.540416
Superoxide dismutase Mn	0.8597224	1 1673906	1 2203350	1 2573687	1 3035306	1.003/6/8	1.2231349	1.1843511	1.255/349	0.99935514	0.98785055		0.94751513
Phase-1 RCT-115	1,5799432	0.9568289	0.88175476	0.8217902	0.8109299	1 313334	1 4584686	4 5064BE	1 255735	4 7204073	19788/BI	0.8791015	0.8103355
Alpha-1 microglobulin/bikunin precursor (Ambp)	0.59789574	0.98319584	1.0620427	1.2687117	1.2848356	1.2596275	1.3297168	1.1302563	1.35290	1.1373128	1 1587236	1.5047493	1 7301817
07.100													
Massia Massia	1.3034104	0.9144239	0.9674243	0.84276336	0.9888907	1.0377243	0.83852196	0.86646	-	0.93061686	0.964144	1.0063089 (0.95547894
Decodin	1.9992164	0.7851463	0.7432608	0.5322977	0.5572413	1.2409912	1.081523	1.1151515	1.1230351	_	1.087245	0.9518349	1.1472563
Refinoid X recentor slobs	4 4700864	4 0000778		C70950C0.0	0.7800224	1.1386932	1.6511033	2.343542	1.0819242	_	0.93883187	1.0814661	1.5046585
Cellular mideic acid hinding nortein (CNRO)	0 7038202	4 4047666	1.1000331	0.00333347	1.4133348	-		1.4608637	1.2313519		0.8963274		0.7598302
NADPH cytochrome P450 oxidoreductase	1 6479609	1 3640835	1 68/3203	4 5662072	1.2423303	-	-	0.87692255	1.0852066	-	0.78761053		0.84545743
Malic enzyme	0.9507819	0.8243246	0.74530894	0.63748705	0.6900541	0.866182	1.3388776 0.6064838	1.7651683	7.1760856	1.3/48304	1.0592004	-	0.51776284
Caspase 1	1.391159	0.9265067	0.78951216	0.64499825	0.8116346	1 0372518			-1:	_		1.8466/52	0.901179
Cystatin C	0.7723018	1.0771463	0.9264935	1.0528097	12012771	-	0.89462304	-				_	1 5704594
psscoc	1,5314121	0.92314667	0.99179286	0.8388568	0.9412798		1.4029422	1.3431047	1.1426785	_	0 95850724		0 0757287
Poly(ADP-ribose) polymerase	-	1.3776127	0.9782076	0.9692534	0.93928164	1.037515	1.1394837	1.0765754	0.8590664		0.8945006	┸	0 9896367
I issue plasminogen activator		0.89202774	0.90098345	0.7951425	0.84744984	0.6722749 0.68913436		-	0.79986068	٠	0.98554415	- 00	0.97075254
Mulang resistant protein-1	1.1526083	-	1.7082675	_	_	1.2397505	1.4541641	1.5798556	1.0716873	_	1.0296369	_	1,0411536
Chase 1 DCT 194	1.0862797	-	0.91423666				-	0.77561355	0.89886546	_	0.97528344 (0.87166715	0.6995073
Gan inodion membrane abound people hote 4	0.000030	1.0588185	1.0299608	1.0534767	0.9905387	0.9340258	1.0355643	1.0004419	0.9686914	1.1693546	1.0292206 (0.90301555	1.0538543
(Gib1)	2.2008203	1.4548404	2.5303807	1.8545427	1.9549292	0.90183467	0.8040759	0.880899	1,3510662	2.0887377	1.1349847	0.7459276	0.5529166
Aquaporin-3 (ACP3)	1.2247405	0.978438	0.9773159	0.90425	0.9489385	0.82420945	0 8244432	0 7740500	4 4729046	0.001001	0.0000000	╌	7072000
Myelin basic protein	0.52877444	1.284345	0.83234406	1.0999855		1 4759141	0 9907461	1 0771712	1 0425324			0.74409566	0.830/104
Calgranulin B3	1.0380441	1.0093895	1.0619203	1.0424808	0.8579894		0 77740043	0 8004347	0 8144141	1 0407407	_	┸	0.6279685
							17111111111	U.Ducharte	0.0144414	10137101	U.BO3020121	1.1492091	0.8835700

Ise-1 RCT-158	0.65859467	1.0828391	0.65859467 1.0828391 1.0685302 1.0723513 1.3464487 1.0235306 0.88453635 0.87204933 0.9875014 1.1133417 1.0174173 0.90078086 0.98498844	1.0723513	1.3464487	1.0235306	0.98453635	0.87204933	0.9675014	1.1133417	1.0174173	0.90078086	0.86498644
teasome activator 28 alpha	0.618495	0.78407735	0.618495 0.78407735 1.1190889 1.2058716 1.3153763 0.9631065 0.9998329 0.7979817 1.6861598 1.3120775 1.1979228 1.0953321	1.2058716	1.3153763	0.9631065	0.9998329	0.7979817	1.6861598	1.3120775	1.1979228	1.0953321	1,3367199
									-				
Gene expression data for 72 hour timepoint													
presented as mean ratio of treatment/control						-						-	
all 72 hour predictive genes (Table 23).											-		
Compound and dose abbreviations as in		:											
lindividual animal number													
Liver inflammation dassification for compound													
se group at 72 h: yes-nedr, necrosis observed;					-								_
no histopathology observed													
Predictive gene (as in Table 23 and as tuded in Table 26)													

Table 30. Expression Data for 72 Hour Timepoint													
(1)													
Compound-Dose (2)	TFT 150	TET 50	TET 50	THEO 100	THEO 100	THEO 400	THEO 25	THEO ON	THEO 25	AFI B 4	AEI B 4	AE1 8 4	ANITO
Animal Number (3)	1249	128	420	Ŀ	9	g	537	8	8	151	456	â	100
liver Toxicity Inflammation Classification (4)	Vectoorr	2	2	_		_						_	404 000
Gene Name (5)	100	2	2							Τ	Т	1	estion
Phase-1 RCT-107	0.68656313	0.9745129	1.262224	1.0369701	1.0529628	0.7803582	0.93826604	0.8188751	0.9354374	0.6435815	0.74359286	0.7626921	0.72799474
Betaine homocysteine methytransferase (BHMT)	0.7363536	0.70681703	1.1883947	0.4685615	0.6386545 0.56617737	0.56617737	1.0570852	0.7024548	1.0062121	0.046919335	0.7825452	0.65818685	0.16447303
Proliferating cell ruclear antigen gene	0.9536511	1.029364	1.0256758	0.8361839	0.9432957		0.90518696	1.0489548	1.0073432	1.0752137	0.7641678	0.9438332	3.7038424
Cytochrome P450 2D18	1.1374121	1.0558754	1.0578743	0.5309774	0.5309774 0.43366715 0.58414704	0.58414704		0.63715583	0.72607386	0.31902698	1.0204064	0.997489	0.35462627
Cytochrome P450 2C11	1.0480701	1.2299699	1.086355	1.6314487	1.3571059	0.52513653	0.9774084	0.82462144	0.9859156	0.07019877	0.9914832	0.54262674	0,9656568
Phase-1 RCT-290	0.7927581	0.8493593	1.0476191	0.7680293	0.913735	0.63582	1.0671223	0.7354215	1.0087646	0.8274252	0.697883	0.7904937	0.51754546
Phase-1 RCT-59	1.0800244	1.0828375	0.93206525	1.2858579	1.2768612	1.0027268	0.9076918	0.88226783	0.9281302	6.0833726	2.556063	1.6080469	1.723826
Beta-actin, sequence 2	0.8128897	0.8470524	1.0229468	1.3494225	1.0972925	1,1390389	1.0286019	0.8786379	0.95379937	4.3372073	1.0929923	1.0866972	1.6286896
Phase-1 RCT-292	0.9083062	0.9502781	0.93188477	0.8084324	0.98735386	1.0418901	0.97564775	0.9563883	0.85229477	0.97228056	0.8925940	0.8941038	0.79114914
Pyruvate kinase, muscle	0.9130194	1.1458491	1.0811069	1.088908		0.96238744	0.97128946	1.0607873	1.0701572	3.3741438	0.83235264	1.0273856	1,5231359
Osteoactivin	0.9111013		0.92712665	0.94398725	0.8655471	0.7951747	0.8264334	1.0260454	1.0153564	19,701735	0.8615244	1.0317463	3,4732332
Calgranulin B1	0.7787262	0	0.8216912	0.841068		0.8915187 0.94211686	0.94211686		0.97599036	2.2164423	1.0214303	1.0741385	2,1073022
Apolipoprotein Ail	0.8484285	0.841674	0.7469672	0.59105444	0.34330454	0.75658995	0.87727106	0.5781733	0.83114415	0.07422434	0.7052455	0.681849	0.56837555
Connextn-32	0.8921802	0.7257327	0.93457705	1.5910718	1.1478004	1.8236102	0.7732058	0.8492929	0.9278856	0.21887206	0.8166572	1.0296084	0.43063965
Phase-1 RCT-109	0.74991226	1.2114725	1.1189235	1.2110715	0.6313873	1.2473781	0.893597	0.7904146	0.91568434	2.2023225	0.8838193	1.0956271	1,4613513
Glycine methyltransferase	0.6080548	0.94161767	1.636076	0.52293867	0.6572286	0.58092265	1.0713592	0.7147573	0.8613526	0.08195062	0.50861084	0.50805515	0.1747613
L-gulono-gamma-factone oxidase	1.1783708	0.95532227	1.0848069	0.52627367	0.5930976	0.59769696	1.1132528	0.8328894	0.7739782	0.3170041	0.9580451	1.0642754	0.48578092
Phase-1 RCT-256	1.0842105	0.9937074	1.1163422	0.5870897	0.7356284	0.7497743	0.9406127	0.7560589	0.8746213	0.26849616	1.0825394	1.0702757	0,48054788
Carbonic antrydrase III	2.685418	0.842743	1,5249121	0.35826424	1.1618383	0,38072053	2.0556157	1.5304414	1.6032476	0.06143529	2.7891657	0.77736974	0.030443123
Phase-1 RCT-78	1,1084839	0.99100506 0.83607485	0.93607485	0.9876971	1.1144836	0.93936926	1.0097342	0.93800175	0.95477945	0.6201779	1.0170801	0.9852047	0.71751463
Urinary protein 2 precursor	1.4050406	1.194452	1.0146837	0.6428102	0.8621808	0.83866185	0.7990843	0.8251641	0.8249721	0.100998364	1.3426714	0.8957921	0.28419708
insulin-like growth factor i	1.581061	1.4861223	1.2721300	0.7377167	0.61179084	0.8691485	1.0367556	0.8590302	-	0.26601365	1.22298	0.9970888	0.2898818
Aryl sulforransferase	0.9114517	0.88974625	0.8732531	0.41501534	0.5307158	0.7090186		0.78492177	0.9389249	0.21632478		0.9913922	0.3288641
Prase-1 KCI-165	1.1838758	1,3922296	1.0680728	1.0680728 0.71118176	-	0.8030828	_	0.9027876	0.9764912	0.28825918	-+	0.85818654	0.78404595
Continu	1.7500521	1.061151	0.9877419	0.8305797	4	0.80485666	-		0.942413	3.6496747	1.1576402	1,0285174	1.8022687
Scannan	0.87946093	1.0247312	0.97256094	1.0473934	_	0.9803336	0.9606721	-	0.86965525	2.5768566	0.9633835	1.0783936	2.2205188
Sold most real protein Lo	1.4433338	1.3909622	CBYDOOL'L	0.67363334	_	0.86659976		1.0262003	1.0305/36	2.7640116	1.2841421	1.05/0842	1.3561839
Colleges has the	1.00/09/0	1 0075057	1 0543607	1,022/19/	1.948/60/		0.9583065	0.956/542/	0.9762449	6.9543247	0.96/53144	1,023,035	1.9681658
Phase-1 RCT-179	0.9411869	0.95329237	0 910473	0.910473 0.73920508	0 7075182	1 0304589	0.00320043	1 0881845	1 111701	3.0002110 2.6058775	1 1845427	4 0558717	1 10222004
Voltace-dependent anion channel 2 (Vdac2)	1 1394249	1 0431002	1 041891	0 72570527		0 88258356	1 1056099	1 0872175	1 055248	2 440102	1 0815469	4 4372370	4 5787644
Phase-1 RCT-192	0.9161504	1.0567214	1.0327778	1.0529741	_	0.77009434	0.7457357	+	0.90177774	2.1317122	1.27775971	1.1319622	1.309023
Adenine nucleotide transfocator 1	0.9942057	1,0250198	0.9630055	1,3132001	_	0.78273803	1,157565		1.0019163	1,6180526	1.4194974	1.058713	13702029
Thymosin beta-10	0.9623967	1.0576253	1,068372	1.2219738	٠	1,2089348	0.8875138	2	0.91072845	3.9618843	0.8872957	1.0802332	3,005312
High affinity tige receptor gamma chain	1.0164474	1.0212986	1.04375	0.81644136	0.9539121	0.90907335	0.9724725	1.0568936	0.9137461	5.2777414	0.93226045	0.9114844	1.2047417
Gamma-actin, cytoplasmic	0.92280704	0.98035437	1 03125	1 03125 0 81326383	0.55158657	1 027878	0 79288244	0 7827887	0 7479537	5 288174B	0 8693094	1 2397884	2 6424177
Uncoupling protein 2	1.0830097	1.0067964	1.0594807	1 2355278	0.71797127	-	0.7135415	0.85589194	0.8822124	1.6111356	0.83273715	0.86984617	1 9237328
Phase-1 RCT-34	0.86320835	0.7519751	0.9334135	0.85751516 0.7834643		0.93475896	0.933667	1,0137647	0.8865388	0.98286813	1,2368147	1,2354058	1.168559
Phase-1 RCT-31	2.5515137	1.1168927	1.1142442	0.33670303		0.45840013	1.2631835	1.0321325	1.2347542	0.33817038	1.1114233	1.0698164	0.48798183
Cyclin D1	1.5793718	1,1158302	1.1004775	0.9528638	_	1.1007365	1.0198611	-	0.92487293	3.0825303	1,2443913	1,0637841	3.935017
IgE binding protein	0.9193306	1.0709163	1.1140308	0.96770906		0.92153764	0.79323417	0.98723817	0.9287917	1.9591208	0.9509467	0.89181805	2.9692059
Zinc finger protein	0.9926108	0.9673053	0.8958673	1.3729204	1.3729204 0.88512605	0.6589912	1.0491124		1.0412091	2.640505	2.640505 0.96833646	1.0278423	2,377,176
Hase-1 RCT-138	1.1745614	0.9831732	1.0720646	0.73983663	1.0567781	0.9487988	1.0392828	-	0.87009513	5.375368	0.94150776	0.9440446	1.0609335
Apra-tubulin	0.976837	0.9618555	0.90487134	_		1,1230869	_		0.9535222	4.747834	1.1890678	1.1889961	6.1806784
Apria-promymosin	20/48695	1.0703942	0.9518485	0.744374	-	0.55856875		-	0.94926167	2,793975	1.0955477	1.0402584	1.1669241
Ohase 1 PCT_10	1.92519293	1.02/6003	1.0085/13	1.0005154	1.0243656	1.0559Z39 0.97900803	0.97900903	1.0428138	0.9/32/3	3.2720208	1.0434009	1.0320568	1.381663
Cathensin B	1.591015	1 1190883	0.9642787	0.5470927		0 77363104	1.0422233	1,0545/3/	0.0138755	3 6256413	0.0093203	1.02/2348	77700070
Phase-1 RCT-24	0.94295126	0.89682645	1.0231618	1.2589827	1.2184496	1.0576416	0.8683687	-	0.88719285	4 516335	1 0907329	1.1682153	1 1332814
Melanoma-associated artigen ME491	1.1240386	1.061879	1.0984194	0.9671921	1.0277823	0.9946756	0.9734009		0.78993726	4.9345407	1.0747501	0.9253304	1,8764677

Phase-1 RCT-68	1 0762966	1.0083302	1 0498398	1 0318860	0.8083784	4 0374647	7	1 0005040	0.0007447	100123601	2000000	4 0000050	4 4000045
Cyclin G	0.99610716	1.0621741	1.1194372	1.1418713	1.0366776	1.1806941	1.0384179	1.0910413	1.1118441	5.824373	1.819293	1.1013227	17431148
Hypoxanthine-guanine phosphoribosyltransferase	0.7851812	0.86514	0.8080345	0.64199764	0.6088522	1.0250294	0.72470754	0.77780473	0.92653954	1.785463	1.0269508	0.970857	1.9589052
Tissue Inhibitor of metalloproteinases-1	0.970462	1.2838998	1.0290465	1.6028903	1.4195144	1.004158	1,0006179	1.0763539	1.0328678	3,5175695	0.84168273	0.90762985	1.4099851
D-1	1.1467612	1.0654523	1.0095721	-	1.2198352	0.8340094	0.82043946	0.97566694	1.0147752	2.0383785	1.024542	1.0992246	2.3970327
Ribosomal protein 59	1 2477274	0.93735534	0.568662	ᆏ	0.97400326	1.0420064	0.9118408	1.1167902	0.9628038	0.92801094	0.95143974	0.87616616	1.6674106
Discourage de la Contraction d	1.2008841	0.96528167	0.7444853	1.0238734	0.95993143	1.1038265	0.98215634	1.4299804	0.9186215	0.510144	0.892728	0.8316786	2.1185217
Ribosomal protein S17	1 1531806	1.9830017	1.4413304	0.0695459	1.0555949	1.0569206	1.1880677	1.1329763	1.0218043	2.8829014	1,5105716	1.1729922	1.2650287
Nucleoside diohosnhate kinase heta isoform	1 1039991	3 619473	1 1468804	1 2287678	0.93107	7004847	0.10.10.10	1.1330430	4 04 703 44	2881069.2	1,3345183	1.1354333	1.1/4896
Phase-1 RCT-121	0.95395845	0.97192407	0 98804647	٠.	-	1 4746777	0.7042440	10442997	0 8058782	7 ACTOTA	0.54410304	0.05882409	2 4520403
14-3-3 zeta	1.0540305	1 0240328	1 0894444	-	4	0 81506044	0.8570824	1 000000	4 4407527	2 4827.496	4 4930043	4 4 200 5 4 7	1 000175
60S ribosomal protein L6 (alternate clone 1)	1,5310894	1.519074	1.2920854	0.86338896	1	0.984162	1,1205349	1.0460296	1 0043225	2 861201	1 22RS621	1 090688	4 2038296
Beta-tubulin, class I	1.2104839	1.1179895	1.0411279	0.8227178	0.6370407	0.7355633	0.95041746	0.81978804	0.7366294	3.4324992	0.9557724	1.1232898	6.9426236
Organic cation transporter 3	1.0855058	1.0956348	1.0445176	0.99905473	0.85874486	0.90203476	1.1487874	1.0349265	1.0532159	2.3108587	1.279594	1.0502512	1.2909509
Beta-actin	0.9357421	0.8470656	0.6997987		0.13116154	0.84941834	0.97066325	0.61449885	0.84560907	4,842202	0.5492648	1.0294207	1.7448947
Catheban S	0.93445766	1.0065002	1.0053391	0.61734635	0.81013995	0.69299215	0.7541388	1.0306507	0.9008671	3.3119197	0.8328223	1.0188015	1.22348
Britverdin reductase	1.08056	1.0320098	0.94321644		0.9387116	1.2132981	0.84896606	0.91239345	1.0531925	2.3091648	0.779675	0.9543671	1.5669832
Phase-1 RCT-154	0.9997704	1.0681602	0.94181913	-	ᅪ	-	0.922269	0.9511279	0.98260015	5.1616063	1.828655	1.2494447	1.6750766
Phase-1 RCI-293	1.1877835	1.2611177	1.048655	-	_	0.88381344	0.97954744	0.91795707	1.0324267	3.8202794	0.45342705	0.9803152	1,5456666
Amexin V	1.2911431	1.2514539	_	_	0.88121724	1.0095917	1.1367648	1.1267917	0.9663905	3.7135287	1.1681834	1.0432401	1.5704571
Complement factor (CF!)	1.6159724	1.0739849	1.2343618	0.80888796	1.1968853	1.0202935	1.1869652	1.2137042	0.9942896	0.73273575	1.7966087	1.1978239	0.6130229
Priase-1 RCI-2/6	1.7368679	1.3441092	-	0.7122487	1.0479538	0.6235697	1.1023126	1.0101446	0.9169662	1,465898	1.0235043	0.9880817	0.8721191
l yrosine aminotransferase	1.280014	1.0403447	1.1712611	0.55859673	0.8080551	0.6034075	1.0117321	0.7399119	0.85790074	0.8350248	1.0118188	1.1182878	0.42680314
Laurannone peroxidase	1.8312124	1.9817472	1.1677318	_	1.058237	0.976845	0.9311147	1.064845	0.8743975	0.92748374	1.0210332	1.202072	0.3829057
Carbonic adadese III common 2	1.7183834	1.3905483	1.1022712	-	0.78085613		0.9802776	0.8898618	1.2042096	0.13892233	1.0720633	1.0597347	0.48232543
Phase-1 RCT-92	1 0218996	1 DAR7612		0.42/5/48/	0.73585784	0.529245/	4.0003066	0.8303395	1.137829	0.1023502	1.0097927	1.0343015	0.46658537
Transitional endoplasmic reticulum ATPase	1.0400572	1014795	0.9607373	0.97111535	1 334493R	1 1264316		4 0285648	4 0283460	1 25/2001	1,1556(09	1.033/100	0.01/51834
Phase-1 RCT-88	1.0070294	1.1445771	4-	0.9041689	0 8332452	0 68381757	0 8784350	0.002020.1	1 1551417	702443	0.8060043	0.0533603	0.34303220
Phase-1 RCT-296	1.341506	1.0392858	1,1568509	1.1514672		1,2025479	_	1.1370386	1.0042018	0 21422482	1 1340615	1 1557175	0.3283602
Phase-1 RCT-161	0.8945236	0.9459911	1.0371429	1.232537	1.1710459	0.6373727	1.1076009	1.0264955	1.0558724	0.36803856	1.7075284	0 82842517	0.9840548
Glutathione S-transferase theta-1	1.3034891	0.9414649	0.87573606	0.98318374	0.9270577	1.0920354	1.0981102	1.0568845	0,974998	0.6331312	1.2043787	1.0252804	0.8316869
Phase-1 RCT-168	1.0755368	0.8995926	0.93478954	0.8774451	1.1159157	1.145179	0.9201266	0.8600621	0.9120584	0.4738465	1.11354	1.0868201	0.97840405
Phase-1 RCT-182	1,3942904	1.2155087	1.2161027	0.8297257	1.401577	0.96124095	1.0498519	1.1569117	1,0131823	0.33915165	1.1111656	0.95847076	0.4147441
JNK1 stress activated protein kinase	0.9637426	0.92720026	0.9620226	0.5027485	0.6040309	0.5702724	0.9469242	0.77318877	0.8302982	0.65644028	0.94058044	1.0185857	0.42086235
Pridse-1 RCI-61	1.7022539	1.2769817	1.1115655		1.0900862	1.0285593		1.086908	0.9635644	1.1211524	0.925662	1.0240374	0.6070271
Dhosa 4 Doy 470	0.3074309	1.0424180	CD06CB7		0.82588685	0.9451405	0.9296394	0.78413236	0.8138803	0.25951788	1.368556	1.183645	0.72903526
Anolimonatein Cili	1 2105881	1 0738177	1.009939	1.0886/36	1.3426836	. .	1.1179924	1.0369135	1.5964214	0.83907374	0.9195644	0.9101871	0.51399773
Phase-1 RCT-98	0.91555554	1.0280149	1 0432065	1 0080822	1 0190796	0.0007404	0 88870704	0.037544	0.0000000	0.5003/9	0.9352/026	4 0300300	0.33620158
NADH-cytochrome b5 reductase	1.2668693	1.3654342	ξ,	0.81232508	1.069642	0.8997685	269	0.74767568	0.7203413	-	0 91461974	0 8935517	0 54872706
Alpha 1 - inhibitor III	1.7462549	0.88843834	0.73198915	0.8569864	1	0.87756014	+	1.2047548	0.8514047	- 67	- 9	0 94640857	0 1977384
Phase-1 RCT-233	0.8654237	0.9822013	0.9847973	0.75822395	1.3142935	0.87603545	1.027953	0.94552547	0.987144	0.2767272	1,3157395	1.0436983	1.0848409
Paraoxonase 1	1.8155411	1.2211512	1.1625702	0.60669758	1.0078434	0.7086661	1.2592832	1.1042775	1.0238671	0,16703795	1.4374983	1.1509929	0.25229776
Preserulin-1	1.825675	0.8302051	0.79453593	0.79696965		0.9057966	1.3594123	1.2228777	0.90356946	0.1590457	1.140016	1.003872	0.24804999
Apolipoprotein C1	1.386585	1.1346854	10	0.7941084	1.1396707	0.86545885	0.93807054	0.9246763	0.8156323	0.10334347	1.0676221	0.6129826	0.2121816
Cydochrome P450 2C23	1.2285053	0.86382985	-	0.49302778	0.6752747	0.69619966	0.72106904	1.0147829	0.9343553	0.20449264	1.0995017	0.91267884	0.37073058
Hanafic linase	123/4506	0.8773043	0.94898844	0.47461703	0.72832	0.6952624	1.0245901	0.94718254	1.1129816	0.5139121	1,2109516	0.95743835	0.23021214
Phase-1 RCT-164	10104914	0.56767207	0.0910173	1 9517004	1,03034003	1.09/1093	0.7227076	4 2004 959	0.74131715	0.30076513	1.0228982	1.1565912	0.4815449
Multidate resistant profein-2	1350017	1 4853787	1 1581874	1 4048032	0.00000	1.0103447	4 2074442	1.0001636	4 2024742		1.0468235	0.8620400	0.73392546
Insulin-like growth factor I, exon 6	0.90292394	0.9964738	1 0385637	1 154791	1 0083737	1 305506	1.207 1443	4 08/00/72	1 480319	3.0349223	4 2470008	1.134102/	6.224 /UT
N-hydroxy-2-acetylaminofluorene sulfotransferase	0.9333334	0.9796603	100	100	0.97273636	0.6543506	1.0820472	1.1327052	1.0936708	0.14751408	1.174153	0.7940673	0.30461538
(STICI)					_								
Dynamin-1 (D100)	0.9105951	0.9822013	1.0236951	1,0144533		0.9367628	1.064125	1.1034231	1.0238758		0.99490106	0.9873377	0.656271
DIA POIVIERADO DOM	0.01.030301	N.9/302/8.U	0.3918983	1.0021547	1.0858556	0.72644204	1.0802901	1.0476221	1.02823931	1.5582727	1,10295051	0.990288	1.1696615

Phase-1 RCT-173	0.95163536	0.9716809	0.90670294	1.0700729	0.7674911	1.122707	1.0032647	0.8746993	0.90346014		0.88033444	1.055568	1.1845385
Ubiquitin confugating enzyme (RAD 6 homologue)	0	0.868466	0.69355726	1.0781785	0.8899912	1.0402838	0.9699254	1.1419804	1.0497068	1,6117871	1,377,1667	1.0200104	1,5829968
Ribosomal protein L13A	0.7612542	1.2404103	0.9908006	1.0774543	0.47414926	1.3689916	0.88920146	0.7492341	0.91094124	1,5971133	0.6950438	0.95711434	1.4593916
Phase-1 RCT-144	0.96970836	1.0231075	1.0179006	1.153113	1.2845808	1.1830295	0.96410215	0.04347733	0.8873355	2,0809698	0.9634991	1.0041808	1.6237742
C-H-138	0.98406255	0.9409812	0.9847973	1.1064825	0.7538216	0.7064332	0.8366062	0.8871718	0.9325152	1,2325965	1,1382033	0.9823399	1.4890068
Vestcutar monoamine transporter (VMAT)	1.0488558	0.89715424	1,0182433	1.6181175	1.3810234	1,2317607	1.1759579	1.111838	1.0872504	_	67	0.98603797	0.9456857
Phase-1 RCT-273	0.89146197	0.9411568	0.9494047	1.2984978	1.098361	1.1856071	1.1573513	1.0424314	1,0341088	1.2981393	0.8485072	1.016222	0.9919695
Phase-1 RCT-230	0.887592	0.9962012	0.9852941	1.4278322	0.9798917	1.3452677	0.9818298	1.0318762	0.9460511	3.2487206	_1	0.9355146	1.1565778
Phase-1 RCT-74	0.86121684	0.9868673	0.96484375	1.463968	12801414	1.0983466	0.818319	0.9846434	1.0281906	0.90335184	-	0.92751735	1.1065714
Phase-1 RCT-80	0.8913371	0.9517279	0.9415761	1.5844755	1.322105	-	1.0495543	0.993523	1.0644916	1.0176526	0.823889	0.9080773	1.0808314
Phase-1 RCT-158	0.9482369	1,0006784	1.0390625	1.2152017	1.110442	1.1017567	0.76040876	1.0350635	1.124908	4.2410417	0.925718	0.9721186	0.9731761
Deoxycytidine kinase	1.0135449	0.97121626	1.0223669	1.4029988	1.231803	1,1288147	1.0142739	1.1222107	0.9574661	0.8312864	1.090096	1.0280246	1.0864027
(Inositol polyphosphate multikinase (Ipmk)0	0.9206704	0.92885596	0.9739584	1.3925517	1.1186486	1.0727962	1.0886773	1.0692514	1.1889211	0.6897307	0.909125/5	0.9539264	0.69189584
Neuronal cell adhesion molecule (NrCAM)	0.95500404	0.9021306	0.95746076	1.7084793	1.3489778	1.3623383	1.096824	1.0134065	1.0554141	1.1349478	0.919461	1.0204216	0.81104946
Hepatocyte growth factor receptor	0.828281	0.963258	0.81341577	1.495481	1.1039609	1.1770966	0.80671537	1.0682958	1.1068482	1.1636546	0.8610517	1.0339537	1.0726962
Empty	0.8696138	0.93966603	0.9594643	1.24788	1.0794231	1.7080884	0.9115806	0.977351	1.0774258	0.8577579	0.73684585	0.7977894	1.122907
Dopamine receptor D2	1.1332144	1.0877184	1.0958121	1.2894506	1,3147619	1.1041809	1.1351886	1.0758246	1.0479219	1.5507096	0.8609612	1.073375	0.93362564
Phase-1 RCT-51	0.9498668	1.0109736	1.0139664	1.3345854	1.0950722	1.1038111	1.0231339	0.99694246	1.0034262	1.0531255	0.8705174	0.9863374	0.9170161
Four repeat ion channel	0.8896086	0.98007965	1.0209581	1.2561256	1.1576663	1.0797414	0.9007571	0.99352455	1.0078378	0.9018841	0.9231532	0.9493195	1.1072648
Adrenomedulin	0.97814643	1.0362272	1.0294312	1.7877134	1,3390905	1.8316447	1.0404346	1.0000163	0.9913239	0.7731136	1.1572193	1.0625817	1.0914279
Caveolin-3	0.88523555	0.9585362	0.96168154	1.2999674	1,096426	1.1072905	0.91008747	0.99904203	1.0666497	0.8368917	0.8968797	0.9789458	1,0974325
Phase-1 RCT-129	0.8937836	0.9056188	0.97656256	1.3667991	1,2180899	1.1002212	0.98907085	0.9947053	1.0703158	1.0486048		0.96820176	1.1709007
Phase-1 RCT-94	0.77995914	0.9962012	1.0472383	1.0164967	0.9553307	1.0529348	0.7398597	1.0046676	1.0284792	0.9069045	32	0.93827534	1.1502681
Sarcoplasmic reticulum calcium ATPase	0.75847185	0.98769754	1.0726141	1.0866808	1.1384501	1.0187454	1.0103384	0.9926551	0.9158528	0.97828746	0.90780854	1.0058168	0.7742747
Phase-1 RCT-79	0.851308	0.99066025	0.9801282	1.2326844	1.0347838	1.1844233	1.0171131	0.95966023	0.9428355	10	0.94985557	0.9503093	0.8949855
Phase-1 RCT-252	0.99296504	0.9124806	1.0195717	0.34081054	0.59590775	0.48684322	1.0487982	0.9837743	0.92307204	1.1332877	0.91882175	1.0581229	0.59775084
Phase-1 RCT-151	1.2927412	0.9397437	0.96043116	0.71696335	0.85737324	0.985237	0.95944583	0.86979765	0.91927576	0.8273356	1.0947278	1.0370847	0.76060224
Phase-1 RCT-70	0.7876743	0.9120441	1.0383621	1.0414652	0.9061478	1.3227499	0.7635987	0.8715852	1.0527443	_	0.91735166	0.9943082	0.9002086
Phase-1 RCT-150	1.0392673	0.85140426	0.8251092	0.75426245	0.5534186		0.8874271	0.78879786	0.9602188	0.60146946	0.8913882	0.95831066	0.6994111
25-hydroxyvitamin D3-1 alpha-hydroxylase	1.0126282	1.0451218	0.9484954	1.7836678	1.3842776		0.83515835	1,0015957	1,095757	1.1171999	0.85490944	1.0176942	1.1165375
Phase-1 RCT-119	0.9539882	0.9344888	0.9769737	0.96919304	0.83278	-	1.1329554	1.0548764	0.96397483	0.9105933	1,00114	1.0818758	0.7548664
Peroxisomal 3-ketoacyl-CoA thiolase 2	0.80576205	0.7283287	0.65550166	0.94582224	0.73717268	0.8359862	0.99041533	0.8445404	1.0732415	0.5894483	0.85315883	1.0904627	0.6/621185
Phase-1 RCT-146	0.91647774	0.9809233		1.2048289		1.131492	0.82036227	0.98700196	1.05373222	3.5023203	0.9/946125	radroro.r	7720007
Superoxide disminase Mn	0.7630374	1.0990644	0.9148/2//	1,202020.0	4,004600	0.88450223	1.0905907.0	0.831130	1,004001	1.3003102	0.85/0519	0.903/092	1 1449807
Albert & minerals in the continues (Ames)	2 027057	4 2070403	4 0740204	1.3324412	1.021003	0.8034123	1 04050497	4 0365898	0.007788	0.25730604	4 3825474	1 040016	0 36698413
Apria-1 microgrobuity bitainin precursor (Ampp)	7503/89/	7.26/9495	1.0719204	#GLGSEDE.U	1.0652538	45001708.0	1.0465046	000000011	90770870	#6086/C770	110000	200	C. Accepta
Phase-1 RCT-18	0.91856724	0.98624367	0.97226334	1.2089298	1.186526	1.0840464	0.9211856	1.0574085	1.0320691	0.9539084	0.9412476	0.953549	1.0794921
Maspin	0.79849356	0.9867276	0.98625654	1.6984578	1,2804146	1.2873644	1.0955354	1.0214117	1.0377299	0.6513475	1.046587	1.0264612	0.91795355
Decorin	0.906377	0.9349269	0.98214287	1.3085046	1.0649774	1.0578428	0.99359834	0.8943727	0.9876202	5.823612	485	0.89949767	0.95867497
Retinoid X receptor alpha	0.7897763	0.97929156	1.0189103	1.5690176	1.174696	1.1747737	1.0983852	1.1163985	1.1113155	1.195314	0.86887255	1.1269946	1.2815828
Cellular nucleic acid binding protein (CNBP)	0.9340382	1.0724539	1.1207192	0.7602858	0.84625703	0.99828583	0.96162796	0.9609078	0.95437056	1.0533698	1.1605233	0.9758877	0.8101385
NADPH cytochrome P450 oxidoreductase	0.84047323	0.77253895	0.8178517	1.4133582	0.91977068	0.9522435	0.81730705	0.9270915	1.0189791	1.3213611	0.87291646	1.0428517	1.7672433
Malic erzyme	1.045185/	0.9650789	1.0589718	1.9893/845	1,0358/38	1.93962485	1.1251744	1.0/2110/	1.11/010	9744472	4 0320374	0 07888005	4 012482
Ostatin C	1 5483481	1 1487845	1 0577943	1 0957307	1 2085428	1 2420752	1 3577491	1 121083	1 0634598	2 4716213	+-	0.96267503	0.8599725
n55CDC	1.0986667	1.163442	1.1482329	1.2779105	1.132794	1.2729814	0.987465	1.0401802	1.0425576	0.8230972		1.0325192	5.9877205
Poly(ADP-ribose) polymerase	1.0727978	0.8901122	0.8488996	0.86677736	0.85369223	1.0932785	1.0088418	0.8888649	1.1209389	1.8375245	0.9696912	1.0564777	1.6234771
Tissue plasminogen activator	0.9317702	0.97192407	1.0090725	1.0530041	0.98183496		0.90402293	0.9540729	0.9459493	2.1652613	0.96751904	0.9546615	1,5977608
Multidrug resistant protein-1	1.3331015	1,1182388	1.1844878	1.0344088	0.95053756	0.8092104	1.3494302	1,2854148	1.2561107	4.341694	1.4502778	1.2420/23	5.848/9/
Phase-1 RCT-207	0.950687	0.9676954	0.9742462	1.0335116	0.94309944	1.0022372	0.9699174	0.8670589	0.9824671	4.8798176	1.9436535	1.36/64/2	1,5422435
Phase-1 RCT-181	1.1017331	1.0119747	0.98674667	1.2682756	1.0055617	1.2039629	0.8837502	0.8973816	0.8398455	0.6523249	0.8822088	1.0149158	0.656/51
Gap junction membrane channel protein beta 1 (Gib1)	0.6488518	0.7488701	1.2057523	2.0786688	1.0047126	1.9012192	0.5097248	0.8350858	1.1767944	0.39395024	0.6228019	0.8450517	0.b2242424
Aquaporin-3 (AQP3)	0.9224774	0.9893837	0.9996408	0.9209801	1.0895181	1,0166655	0.8364621	0.99264544	0.9600801	0.78524446	0.9485655	0.9437774	1.047214
Myelin basic protein	1.0551604	0.7621787	0.77117395	1.849478	1.3651912	1,5887742	0.8396072	1.1814052	1,5001539	1.4924711	0.9804694	0.97324928	1.4206929
Calgranulin B3	1.0496648	1.0244253	0.9440789	0.8683518	0.71729505	1.0241956	0.94213456	0.87350196	0.9781903	1.4611111	1,0894368	1.101483	1.0350868

			0000	4 000000	4 4049004	701272107 1 08272107 1 4049554 1 4 407780 0 8859078 1 0771647 0 88272107	0.862023	1 0771647		1,523145	1.0160891	1,0384649	1.4165278
Phase-1 RCT-156	1.128/285	1.1028656	1.02142801	1.0862322	B 2	20110	2			4 9000000	1.	1 0590475 0 00334004	1 0283198
Denteseems activator 28 aloba	1,1836909	1.1836909 1.4390863 0.9872422 0.6672541	0.9872422	0.6672541	0.8905173 0.7594857	0.7594857	1.131025	1.1390483	1.131025 1.1390483 0.8726628	1,3426000		0.0000000	200
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				+									
(1) Gene expression data for 72 hour timepoint							•			_			
are presented as mean ratio of treatment/control	_					_	_						
for all 72 hour predictive genes (Table 23).			-		•					-			
(2) Compound and dose abbreviations as in													
Table 1.						1							
(2) Individual animal number							1	1					
(4) Liver inflammation dassification for compound					-					-			
dose group at 72 h: yes-necr, necrosis observed;													
yes-both, necrosis with inflammation observed;				_									
no, no histopathology observed	-				_								
(5) Predictive gene (as in Table 23 and as				•	,								
included in Table 26)		1											

Table 30. Expression Data for 72 Hour Timepoint (1)													
Comparing Dans (7)	44,175												
	20	28	BKB 200	BRB 200	BRB 200	-	BRB 800	BRB 800	CCL4 1000	CCL4 1000	CCL4 1000	DMN 20	DAIN 20
Fire Tevilet (5)	1658	1659	2327	2328	2329	2337	2338	2339			6	1757	1758
Gene Name (5)	yes-both	ves-both	yes-both	yes-both	yes-both	yes-both y	ves-both	yes-both	yes-both	yes-both	yes-both	yes-both	yes-both
Phase-1 RCT-107	0.6444403	4 4000007	0	2000		_							
Belaine honocycleine methyltransferaes (RHMT)	0.48586534	4 9504759	ı١٩	0.0237023	CODI 9/C D	-			0.48350366	0.37599236	0.7235594	0.9711943	0.82333183
Proliferation cell mylear antioen pene	5.340E300	0.000000		Z\$10277	0.4922842	1.060364			0.37186563	0.29023176	0.623182	0.16584021	0.15931389
Cytochume P450 2018	0.0000000	0.6903208	-1		0.89901066	1.2327284				1.9438897	1.2480869	2.4221308	1,555596
Cytochrome P450 2C11	0 9482812	0.04024745	0.60644772 0.60600750	1.1307435	0.8324607	0.77574515				0.34757784	0.6960898		0.60272014
Phase-1 RCT-290	0 53008085	4 2202702	0.03044773	0.00000000	1.3836515	-	0.5906424			0.44753546	0.12238744	0.072831936	0.2163671
Phase-1 RCT-59	2 4689281	4 2811277	0.0410U246	0.64160246 0.7658461	0.58824605		0.85212554	0.5464998		0.36973593	0.7247496	0.40415227 0.402875	0.40287575
Beta-actin seguence 2	2 00435B	1.2011227	CONSORCIAN	0.81355095	9	0.8472125	1.1233288		0.88805944	0.9372645	0.8111369	2.7363634	3.0225022
Phase-1 RCT-292	0.7308105	0.0772340	1.102/12/	1.0/11132		1.8288682			1.6233562	1.6378309	1.0991755	2.584273	1.9560804
Pyruvate kinase, miscle	2 500038	1 0307153	0.9100300	4 9202502	_	0.85541767	= 1.	-	0.80936178	0.8462255	0.8163309	0.7484225	0.86878026
Osteoactivin	5 9562383	1 1075405	2 0468105	3 0033034	1,442915/	7.2895952	1.3393977	2.6244687	1.6411086	1.6721833	1.3151839	5.7798767	1.5646151
Calgranulin B1	2519018	0.0556083	0 80063486	4 9747490	4.005 1400	3.00/900	188702.4	11.614656	7.446975	5.5573606	5.130468	9.442778	3.1861467
Apolipoprotein All	0 33506	0 70840336		1.37 17 123		1.0001041			1.7752886	1.7880337	1.2305915	2.4721289	1.7273381
Connexio-32	0.33330	4.70010330		0.001428/5	-	0.58141965 0.51879334			0.22365208	0.2851685	0.2509521	0.08616205	0.28289163
Phase-1 RCT-109	4 69 4099	4 454405	1.0744334	1.1024531	0.9486884	4	1.0456336	0.7840789	0.7519967	0.5914087	0.7559827	0.54694635	0.88321847
Glycine methyltraneferaee	0.4544.707	4 4504400	01,01,010	1.3900040	2.0808203		2.5756073	2.8308856	1.4954778	1.4311703	1.1656619	1.6528914	1.5791022
Landon-campa Jackon addase	0.15111/0/	1.1564135		0.7855302	0.42578015	=	0.53674686	0.53674686 0.37666216 0.23081079 0.16511686	0.23081079	0.16511686	0.4630456	0.30173972	0.59310603
Phase 1 RCT 258	0.00101494	0.7771936		0.87558985	0.993923	_	0.8509245	0.48032296	0.752503	0.8372455	0.83942187	0.22415784	0.2959485
Carbonic ashudmen III		0.6329920	0.77106184	1.1146303			1.0836262 0.83296275			0.840338	0.9701997	0.38847592	0.62077
Dhaca 1 DCT 78	0.032598443	0.2465/686	0.8133648	0.693561			1		0.48398885	0.63282484	0.5093485	_	0.40590802
Litracy protein 2 promiseor	0.0892037	1	8550869.0	0.7599592	_	_	0.73881096			_	0.7043539		0.73384655
Incaring process & processon	0.24414300	0.0335075	0.7467454	1.1967664	L		_			0.20628011	0.31832525	0.120600335	0.21235335
Ard sufotransferase	0.510505	0.49112684	0.74112487	0.8949658	—.	0.72645396	0.72488755				0.47005144		0.41083908
Phase-1 RCT-185	1 0642874	0.700731	0.90171500	4 4007000	-	4	0.77503973	0.48465106	0.63650256	0.6222702	0.7190618	_	0.48966372
Cofilin	2.279488	10114301	1 4748895	2 1497068	2 5272727	2 44 45 2 22	0.9038739	0.9038739 0.51039106 0.50034314	0.50034314	0.4633694	0.7767023	0.4490048	0.8648326
Stathmin	2.7410111	1.0045274	1.1402411	2.3607128	2 978854	2 0600462	3.01337 1 7306098	2.fUS/30	4 7/847EA	1.400400	1.1823217	2.2259853	1.5292068
60S ribosomal protein L6	1.6374292	0.9639581	1,284749	1.6086637	1.818548	٠.	2 3567622	2 R756753	1 8304575	1 0300436	4 42577269	2007	202019
Calpactin I heavy chain	3.448336	1.1147871	1.0865892	1.8334358	24371118	1_	2 5859469	9 504315B	2 52801771	2 8006808	4 7458004	1.043/3	1.4353431
Collagen type II	1.1164658	1,3440994	1.4732435	2.2941186	3.6570728	28178325	1 34475R4	1 7470602	2 E078828	E 043444	1 0700011	0.340044	2.4033003
Phase-1 RCT-179	1.540269	0.94634783	1.6835997	1.6269447	1.9696738	1.6219666	2.3027238	3 02 23055	1 2264309		0.08685005	24472245	1.204181
Voltage-dependent anion channel 2 (Vdac2)	1.8926668	0.8767533	1.412557	2.0661442	2,4332984	2.1740801	2.5925894	3.4402854	2.4677396	_	1 5859789	2 2485178	2 0833373
Adorto modernia	1.5078654	1.4003087	1.2644708	1.4451277	2.895795	1.61397	2.4729211	2.4745862	2.8850422	2.5080056	1.4288508	1.8207209	1.5489115
Themself hote 40	1.6169317	1.0412418	1.2862234	1.3214592	1,4810405	1.4063314	1.4787759	1.8118958	1.139911	1.3874444	1.0846702	1.0585098	0.9469777
High affinity for recentor resemble	3,6569297	1.0618172	1.7798431	3.3040884	3.8144536	2.9910321	2.3344657	4.4736185	1.7524388	1.7668253	1.3400304	4.0785317	2.4408278
(FCERgamma)	C888417.1	78571C8.1	1.328/559	1.4440914	1.9006971	1.7916274	2,033609	2.571395	1,4901124	1.7922894	1,4894341	2,876352	1.5395492
Gamma-actin, cytoplasmic	3.0877373	0.8200279	0.9215995	1.9852321	2.9552138	1 8954335	3 6883226	4 000283	2 4 K 2 2 K 4 K	4 5222003	4 0007045		7002000
Uncoupling protein 2	2.916121	1.1284462	1.4126846	1.7535679	25119882	_	1 6812453	2 6750073	2.059398	29245685	1 6474004	4 00070	1.130/023
Phase-1 RCT-34	1.0849258	0.8337413	0.7601743	1.0574248	1.0840099	┺	1 9716488	1 9915043	1 5736707	4 452037E	1 062004	0.7070700	10/0007
Phase-1 RCT-31	0.50426966	0.69442326	1.837173	1.684068	1.5978005	_	1.8976943	1.248938	0.9908515	1.0427933	1 196149	0.2482624	0.054404
Cydin D1	6.6928487	0.8806712	1.0805936	1.1734641	1.2697256	1.5671031	1.241705	3.0850465	2.4036522	2 7915921	1 8109335	2 126261	4 5051405
IgE binding protein		0.9984356	1.4015443	2.0311606	3.1680524	2.0825603	3.3272195	7.3242702	2.9945643	2,700304	1 6547767	7 1561027	9 3873786
Chic Inger protein	2.6799488	2.2509618	0.9535018	1.0057323	0.9653457	Ш	0.8843341	1,5186821	0.9843267	1.0974257	1.0319549	1.7510642	1 2373524
Alphatria		0.86902523	1.4220799	1.5587143	1.683029	_1	2.1085773	2.28398	1.6298089	1.8006104	1.4304013	24232948	1.4247289
Althoughtemedia		1.1156065	0.7604177	2,305954	2.4801142	_	2.6189246	3.599393	2.284918	2.1531665	1.0031354	3.5484728	3.065657
Calnain 2	1.0442423	0.86795366	1.1481184	2.3500555	2.059401	_	2.8168075	3.0613465	1.2786278	1.654276	1.1132011	1.8180588	1.4252074
Phase-1 RCT-12	1 5306286	4 0474499	1 2427404	1.0503634	1.3379524	4	1.1883557	1.5412448	1.3630621	1.4449853	1.1870428	1,8850191	1.3847775
Cathepsin B	1.5576241	1 1710337	1 4823569	1.033467	1./814/92	1.6303462	2.1883473	1.8576539	1.9061862	1.7596933	1.2482727	2.1945798	2.014765
Phase-1 RCT-24	1.4239485	12	0 75963044	1 9745862	2 4987068	1	2022005	7.6555904	2.1628554	1.9978731	1.6620054	1.7232041	1.2393876
Melanoma-associated antigen ME491	2,6273792	+	1.0846868	1.0906752	-	-	٠,	4.150015	2 000000	201162	0.92084/6	2.949472	2,8701186
							1	1,0200410	4.0000001	4.002003	1.02/3003	3.04/2/0/	1.9462024

Phase-1 RCT-68	1.848668	0.98630377	0.9594758	1.0604378	1.2058328	1 2584047	1.3107048	1 8542246	1 3228114	1.3562137	1 2798647	2 2199702	1 5083691
Cyclin G	2.6802404	0.98227537	0.922801	1,0264305	1,2475336	0.9808189	0.7712559	2.0406425	1.8915764	1.696552	1,3955551	5.484721	3.7876575
Hypoxanthine-guanine phosphoribosyltransferase	1.8787786	1.0457658	1.0172098	1.5020621	1.8090909	1.695081	1.9576074	2.0741048	1.4189752	1.2745352	1.1542877	1,4335092	1.4098204
Tissue inhibitor of metalloproteinases-1	1.9978997	1.2665808	1.2583687	1.2432323	1.5583994	1.2129298	0.91675586	1.7800725	1.4994252	2.0878356	1.4620091	4.641523	1.3519387
10-1	2.8517833	1.2325331	1.212875	1.1349261	1,2350013	0.97236377	1.1588576	2.0393069	1.1698803	1.2558857	1.1279438	1.4885098	1.4569129
Ribosomal protein 59	7.7230276	9.0471644	1.1485629	1.7010472	1.8385332	1.8691975	1.6685059	2,45391	2 62678175	7.531791	2 4026042	1.7730641	1.5185584
Ribosomal protein S8	1,5453748	0.81420463	1.54954	2.1811929	2391112	2.0316868	3,622021	3.298959	1.7069017	2,198003	1,1281142	1.7367666	1,473767
Ribosomal protein S17	1.5419097	0.7669351	1.3301822	1.8068574	2.2792068	1.8467163	2,7267779	3.1437125	1.9363995	2.0189354	1.2128514	1,3928349	1.122626
Nucleoside diphosphate tinase beta isoform	1.1468783	1.001797	1.2472756	1.8499653	2,7569854	2,1220007	2.5074408	2,7934363	2,3024597	2.0810084	1.9878081	2,1338427	2.1390774
Phase-1 RCT-121	1.9514631	1.0905569	1,337518	1.272791	1.4043186	1.4291171	12234522	2.0220513	1.4909078	1.8977509	1.3770657	3.2825465	1.8550783
14-3-3 zeta 80S albosomal pumein i 6 (allemate clone 1)	1 4534042	1.155319 0.8429774	1.403593	2.0540235	2.007074	1.7307416 1.8685595	1.9510972 2.8580484	2.868237	1.861678	1.8765299	1.2689434	3.0135367	13781241
Beta-tubulin, class I	7.5364776	1.0488628	1.0018606	4.114321	3.307786	3.0904756	4.762975	6.199554	2.8189354	2.4194798	1.2598692	3.7684325	2.8386497
Organic cation transporter 3	1.5530481	0.983211	1.0441613	1.0820467	1.5866146	1.0697105	1.6903996	1.8328681	1.5646762	1.8374114	1.191203	1.6684073	1.3712819
Beta-actin	1.9209703	0.84851015	-	1.8412466	2.7554574	2.2243008	27534175	3.9160047	2.0807853	2.6451986	1.2667081	4.848096	3,4460404
Cathepsin S	1.7622389	0.9779825	1.8619932	1,485594	1.5859995	1.3345643	1.4216883	1.9187645	1.574982	2.0671692	1.4410139	2361692	1.7216731
Bäiverdin reductase	2.1722279	0.95356756	1.4558543	1.4958448	1.4730015	1.7384639	1.0909985	2.4420905	1.7628571	1.6847373	1.5416354	2.2413964	1.7901897
Phase-1 RCI-293	2.118387	1.0210024	1.0774947	1.5204513	2.0537834	1.5871492	15731025	2.5988476	1.4786525	2 2657673	1.0360265	7 22828	1.740931
AmednV	2.1399198	1,0080514	1.011234	1.3029742	1,6915519	1,11355	1.1952282	1.5578784	1.5176529	1.6017687	1.2895945	2.5433059	1.3920951
Complement factor I (CFI)	0.99190817	0.87228966	2.5546002	1.6799498	1.5205309	1.4721345	2.193438	1.509181	0.9050207	1.0034931	1.039572	1.0567268	1.1499912
Phase-1 RCT-276	1.1990963	0.9169738	1.0483599	0.84586686	1.229546	1.0808332	1.1332178	1.0748258	1.275336	1.1711084	1.0821284	0.9044752	0.9405223
Tyrosine aminotransferase	0.56063074	0.82706153	3.1817298	1.0832149	0.8350878	1.4043655	1.0637895	0.7727688	0.74128777	0.7339188	0.46596226	0.41777927	0.25786275
Glutathione perceduase	0.42512748	0.82570004	1.7648637	1.8033992	1.2268484	1.1453148	1.583518	1.2073557	0.7640582	0.8676335	0.9484952	0.5256974	0.9483574
Histidine-rich glycoprotein	0.39079654	0.5291272	1.8534465	1.1621338	1.1294367	1.0882238	1.4714772	0.78211695	0.9934159	0.8747972	0.7515911	0.77214414	0.8250121
Carbonic arinydrase III, sequence 2	0.36490268	0.5322517	1.7236056	1.0722268	1.1234825	1.0555568	1.4046154	0.85853//	0.9150772	0.82482165	0.00045344	0.7121567	0.76071854
Transitional endoplasmic reticulum ATPase	1,1979697	1.1523108	1.3247718	0.983288	1.1367193	1.0257447	1,4501932	1.3989881	1.0158985	0.95984375	0.92073095	0.8872732	0.9487317
Phase-1 RCT-88	0.613948	0.84448457	0.7476377	0.87759656	0.77764887	0.719597	0.67234176	0.60862774	0.8764558	0.83392566	0.79262185	0.84250647	0.82565256
Phase-1 RCT-296	0.5299843	0.7765101	1.8634193	1.725418	1.8500589	1,3860157	1.4364918	0.7682615	0.68758947	0.75466186	0.9360926	0.39935872	0.86580396
Phase-1 RCT-161	0.6941131	0.99226344	0.7269683	0.6561153	0.581982	0.65372175	0.58576554	0.50000006	0.6987821	0.7092018	0.65312797	0.5225036	0.6668678
Gittathione S-transferase theta-1	0.7689509	0.88737893	1.4082462	1.5809367	1.3445275	1.6849217	1,3219473	1.5524569	1.3708122	1.20407	2.140176	0.6279761	2.0666187
Prisse-1 RC 1-105	0.42282712	0 8894735	1 9711076	1 175555	1.104/555	1.010093	4 4450240	1 0888345	0.7777808	0.74287184	0.739789880	0.02///45	0.746R404
JNK1 stress activated protein kinase	0.613389	0.7708649	0.83395804	0.78093003	0.5981025	0.7460544	0.59288776	0.53590703	18	0.6918693	0.9380989	0.5496806	0.64472663
Phase-1 RCT-81	0.67784846	0.91915417	0.7905642	0.76229936	0.81349385	0.7978592	0.78928374	0.69099814	0.5656784	0.59706014	0.80076915	0.80127513	0.8665455
Phase-1 RCT-33	0.65565324	0.8617401	0.66585463	-	-	1.2551826	1.1844825	1.1145512	0.64089325	0.695174	0.65273833	0.4265149	0.70769817
Phase-1 RCT-178	0.30142143	0.5/51325	0.693501	0.4870389	0.47775397	0.41357818	0.4682516	1.4292703	0.60289927	0.524485	0.6744666	0.44349247	0.49314466
Phase 1 RCT 08	0.3/10448	1 016783	0.7485422	0.637403	0.3979990	0.2323020	0.500324	0.41012/20	0.07016263	0.57614736	0.05310444	0.30203033	0.40083302
NADH-cytochrome b5 reductase	0.72389483	0.98100275	0.724902	1.1825792	192	1.0066137	1,1127805	0.9006701	0.57517207	_	0.5994708	0.4037173	0.5372008
Alpha 1 - Inhibitor III	0.2397205	0.6872279	1,2896957	0.71351314	0.5971569	0.67598784	0.68393785	0.33621112	0.32445717	0.23587039	0.5004625	0.2152809	0.34569034
Phase-1 RCT-233	0.34294084	0.86012536	1.2244637	1.0835211	0.78213096	0.9185147	0.8322601	0.71957654	0.6289094	0.6885351	0.7451369	0.48732367	0.6127599
Paraoxonase 1	0.27699614	0.7576053	1.5912638	 	0.9235965	0.8918986	1.0744874		0.4079569	0.456519	0.73376745	0.16596882	0.3/43396/
Andipopulatin C1	0.26180437	0.42056865	1 3161744	1 043584	0.7207968	0.0804330	1 2417547	0.33/4000/		0.23532975	0.3011058	0 13774483	0.489451
Cytochrome P450 2C23	0.42019176	1,0233607	1.6615431	1.7709253	0.7873204	12205002	1.0780877	0.90866375	0.31152707	0.4020347	0,36416158	0.34867844	0.44028622
Phase-1 RCT-227	0.21206807	0.59823215	1.1002557	1.1372662	0.6574865	0.6973003	0.82404774	0.55515736	4007	0.64701456	0.64793396	0.40335017	0.6366171
Hepatic lipase	0.5996757	0.9077893	0.87277925	0.96665907	0.7284258	0.59259826	0.4671181	0.37982136	0.34710532	0.34773895	0.5092864	0.24103922	0.42798734
Phase-1 RCT-164	0.5855588	0.9798481	0.7173139	0.60978675	0.64599866	0.6484931	0.6598213	0.6022717	0.43432474	0.4840241	0.69840187	0.61279684	0.7069434
Multidrig resistant protein-2	B907987	1.034/54/	7.2993512	-	-	1.3810187	1,2504348	2.5/88338	2,8763613	2.0682833	27//902	4.9/1008	4./01//84
N-Hydroxy-2-acetylaminofluorene suffotransferase		0.6020333	0.768902	0.8297927	0.6260173	0.7041129	0.76622415	0.51461285	0.29381675	0.3189412	0.37487826	0.23571162	0.40510668
Dynamin-1 (D100)	0.40425205	0.8880163	0.81031317	0.68551767	0.75971025	0.79374135	0.7240465	0.63831186	0.6496497	0.78306574	0.66444683	0.83257765	0.93308276
DNA polymerase beta	1.2253594	0.8669943	_		ы.	1,2949207	_	1.5002933	—	-	1,500431	1.1733016	1.1713389

Phase-1 RCT-173	1.507371	1 188338	0.96623325	1 2572962	1 3455532	1 8250732	1 2271801	1 4621051	1 6600445	4 737884	4 8440774	4 2630678	4 OBOAA2A
Ubiquitin conjugating enzyme (RAD 6 homotogue)	_		0.9145531	0.9966877	1	0.84978455	0.98524064	1.1941255	1.5057485	1.8342779	1.1489016	1.4286754	1.3170702
Ribosomal protein L13A	1.6768426	0.86144503	1,2385345	1 9794277	2 3379884	2 0492268	2 5302038	2 829622	1 5813111	1 5214164	1 2517387	1 RS6142R	1 7518731
Phase-1 RCT-144	1,9486456	0.9812635	0.9922551	0.84157765	1.0370655	1.0904684	1,3288761	1.8062999	1.3564309	1.3619854	1.1020281	1 4807508	1 2258289
o-H-ras	1.5282377	0.9669331	_	1.1229259	1.3462113	1.3626825	1.2613236	1.61882	1,2164484	1.1456691	0.89577305	1.6479018	1.675828
Vesicular monoamine transporter (VMAT)	0.79778117	_			0.59785044	-	0.46701482	0.498615	100		0.94646674	0.9818421	0.97173154
Phase-1 RCT-273	0.98627335	0.99582943	0.8775444		0.92750496	0.8470081	0.6777029	0.7060847	1,1281298	1.001867	1.1189878	0.9585637	0.8608906
Phase-1 KCI-230	1,6861274	1.0406	-		0.91626877	0.08313		0.9558381	1.4280938	1.684372	1.2919513	1.9285115	1.4944279
Phase-1 PCT-an	0.0003141	1 0743436	0.6769769	0.57423997	0.656233			0.5/45/834	1.0301676		1101688.0	1.0547237	0.8193822
Phase-1 PCT-158	0.0758434	0.0511478				0.05025174	4 0020000	4 0502900	0.9020705	1,000/10	0.3757570	0.003993	2000000
Decumiding times	O SEAR	4 0597489	4	_	-	-	ı٠	1.9302009	0.092072	0.004972	1 22 000 100	4 4000440	0.04083003
Incelled polyphosobate medikinasa (honk))	0.0000	1 0430666	_			0.01300413	0.5480004	0.0011763	0.7804373		0.80741307	0.74051933	1.01153/1
Neuronal cell adhesion molecule (NrCAM)	0.83358207	1.0555253		0.8593285	0 777758		0.45074034	0.5858539	4 3679242		1 0618383	1 3018503	1 3886065
Hepatocyte growth factor receptor	1.045844	12174791	0.920229	0.7926198	0 7721197		0.4683396	-	. 	0 75568286	0 9881713	1 3631207	1 0616171
Empty	0.90698725	1,2250528	-	+-		2 0	0.3364018	-	-	0.8596956	1 0308642	0.9990021	0.7726385
Doparnine receptor D2	0.9206008	0.92530495	_					+-	1.4992238	1.4702864	1.4559629	0.8868318	1.1424544
Phase-1 RCT-51	0.8467865		0.68934155	0.679024		0,7488338		0.6865657	1,2183075	1.2986563	1.113552	0.8838406	0.95439035
Four repeat fon channel	0.96815926	1.3549362					-		0.90079683 0.92169964	0.92169964	0.9325052	0.98730685	0.8000926
Adrenomedullin	0.9230332	1.2685459			0.55023134	0.6133077	-	0.46005978	0.95770913	0.835945	0.9731725	0.8478319	0.8479158
Caveolin-3	0.8376306	1.1572907	0.6467999		0.62673205		0,52427465	0.599017	1	0.9217246	0.99372154	0.97984606	0.7857059
Phase-1 RCT-129	1.0106397	1.1123853	0.7685506	0.7001255	0.7095354	0.747048	0.5912881	0.595783	1.0289443		0.95929736	1.206592	0.9580181
Phase-1 RCT-94	0.8286809	1.0239893	0.83118606		_	0.7844367 0.71631444	0.71631444	0.7265256	0.8258883	0.88975203	0.94513494	0.9269647	0.9396956
Sarcoplasmic reticulum calcium ATPase	2.0113025	0.86066705	0.7823429		_		0.5163311	_	0.95302814	0.8668388	0.94545513	0.73492056	0.70672154
Phase-1 RCT-79	0.95428526	0.9369273	0.78412724	0.8419409	0.88439727	0.88082546	0.75792958	0.9412956	1.124478	1.1216078	1.0342993	0.80252934	0.8675293
Phase-1 RCT-252	0.7518413	1.0108798			1.6762851	2.1234903	1.864534	1.292238	1.5011942	1.4095145	1.1406878	0.5244244	0.60658926
Phase-1 RCI-151	1.0561519	0.8530891	1.1720148		1.4864817	1.259311	_	1.1073035	0.8983395	0.7248869	0.9081693	0.0125203	0.94916815
Phase-1 RC -/0	0.8635395	0.9829507	0.74299264	4	0.85411215	0.8802044	-	0.78762335		0.80593076	1.0378146	0.9898858	0.9772445
25-hydroxoritamin D2.1 alpha-hydroxolase	4 46052	1.033030/	0.707959	1.3313647	1.0923506	1.0621806	1,2350133	2 5	:t:	0.69941354	0.8786249	0.69053847	0.83461165
Phase-1 RCT-119	O 79897326	4 0457028	0.8758267	0.7 130303	4 1560634	0.3703312	7 4	0.430473	4 40070044	4 47050773	4 4 500044	0.8720199	1.0032367
Peroxisomal 3-ketoacyl-CoA thiolase 2	0.849499	1 0339568	1 0622996		0.94969636	1 8281631		1 9751009	1.400/324	1 0634096	4 8035863	0 68310463	4 0887073
Phase-1 RCT-146	3.0612671	1,1159716	0.8481375	-	1 3249532	1 2866919	1 4085838	2 559 1817	1 6007707	2 058257	1 2085194	2 4025826	1 5470222
Superoxide dismutase Mn	1.507313	0.91038674	1.0319892	1,3219724	1.1208352	1.5360054	1.3189995	2.01051861	12443391	1 2937652	1.1782321	1.3965788	1 2479894
Phase-1 RCT-115	1.2567042	1.1444894	0.68597126	N	0.87982136	0.8690408	0.79437566	0.75804806	1.4286963	1.1537753	1 2886771	1,175782	1 5017886
Alpha-1 microglobulin/bikunin precursor (Ambp)	0.49156705	0.8082636	1.2708362	1.3203362	0.9021991	0.91053057	1.2360779	-	0.46722135	0.46782656	0.642389	0.47996116	0.6596317
						_							
Phase-1 RCI-18	0.7489919	1.037955	0.79183996		_		0.8222667	_		0.8545005	1.0591601	0.85515183	0.803912
Decerie	0.041933	4 08333260	100001400	0.79293975	4 2770700	0.03023703	0.7477790	-1:	-	9 520700	4 2000270	4 600,000	4 2400000
Retingle X recentor sloke	4 4697003	┸	-	0.02626770	+-	0.8042/30	_	188057010	1.4130303	3.322/32	4 400400	1,0091899	1.2403330
Cellular nucleic acid binding protein (CNBP)	0.89968884	10		+-	-	0 8934899	0.7273068	1 07 1908	1 1694745	1 148748G	1 0042541	0 9115816	4 0701244
NADPH cytochrome P450 oxidoreductase	1,5164313	1.4717165	1.0553404	+-	1.1618903	1.3438417	0.778818	1 8203112	1 483 1947	1 0642203	1 2473122	1 5622375	1 5738445
Malic enzyme	0.98331237	0.7764307	_	0.57404035	-	1.2	0.52017725	-	+	0.86803097	0.9321312	0.6183867	0.7922252
Caspase 1	1,5186269	1.2150729	0.85851624	0.68647116	0.6873988	-		_	1.2996316	1.2507378	1.0787739	1.6497236	1.2783409
Cystatin C	1.135395	0.8870662	1.5611454	1.6873826	1.9346591	1,8024365	ı	1.8302889	1.4451475	1.7024032	1.142634	1.4454843	1.1321563
p65CDC	4.510624	1.0557381	1.2174098	2.2936676	1.5719229	1.5075492	0.85102403	2.416855	1.28513	1.2843177	1.4895244	5,307082	1.6167485
Poly(ADP-ribose) polymerase	1.9413532	1.2794269		1.049634	1.11052	1,2370495	1.0495669	1.6059526	1.340558	1.3387599	1.255621	1.4426783	1,3661331
Nitten praction activator	1.8362758	1.0164875	-	0.96079576	1.2609117	1.3524277	1.6263255	1.6341877	1.0468285	1.206319	1.0144669	1.6605104	1.2598134
Dhase 4 DCT 201	0.37.3038	1.1132/2/		1.3101/63	2.0490333	1.5871942	1.4042009	3.4923023	2.43/8831	1.7078679	2.2896101	6.283614	4.3830Z3
Diese 4 DOT 404	2.1014/10	1.2349079	-	0.8453/413	-	1.1102386	_	1.7862506	1.4129148	1.4194102	0.9898889	2,318,3565	2,5111995
Can lunding mombans absent angels help 4	0.5/6/352	1.0493506	_	0.9248904	1.0186757	0.92409056	-	0.87488204	0.8162162		0.9294635	0.6701383	0.8316576
(Gjb1)	0.3353391	30034/4	4/10114 	0.30400000	0.9264988	1058107.1	70///8'0	0.933328/5	0.844193	0.50744724	0.86823213	0.47453895	0.8151804
Aquaporin-3 (AQP3)	0.74586284	0.99738085	0.71787685	0.6389068	0.73860717	0.71291435	0.7060642	0.621568	0,7851493	0.759188	0.8825231	0.775085	0.85453016
Myelin basic protein	1.2824967	1.1103352	1.9379131	1.2637707	1.268463	1.2174412	1.2805918	1.1161414	1.2039073	1.140462	0.96099097	1.2277187	1.4331048
Cagranulin B3	1,3180627	1.072504	0.9790334	1.073899	1,2157297	1.1869388	1.0729957	1.4959016	1.2449272	1.1308129	0.9734225	1.1978152	1.1476324

se-1 RCT-156	1.4924241	1.4924241 1.0020304 1.233008 1.28778 1.3806046 1.252535 1.8165472 1.4256825 1.0984148 0.99047506 1.0311408	1,233008	1.28778	1.3806046	1.252535	1.8165472	1.4256825	1.0984148	0.99047506	1.0311408	1.1417353 1.2903998	1.2903998
easome activator 28 alpha	1,3582968		1.6207783	0.8579352 1.6207783 1.5680829 1.6763741 1.8336874 2.453395	1.6763741	1.8336874	2.453395	2.6774223	1.1797336	1.2408711	2.6774223 1.1797336 1.2408711 1.3692554	1.1851022	1,2580016
Gene expression data for 72 hour timepoint													
presented as mean rado of treatment/control all 72 hour predictive genes (Table 23).													
Compound and dose abbreviations as in le 1.													
Individual animal number													
Liver inflammation classification for compound													
e group at 72 h; yes-necr, necrosis observed;						,	_						
-both, necrosis with inflammation observed;												•	
no histopathology observed			:				-					-	
Predictive gene (as in Table 23 and as							_						
uded in Table 26)							-	-					

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(1)			
	20 11 10	9	0 30 1
Compound-Dose (2)	UMIN ZU	157	358
T	4304 00.	hoth no.	wee hoth
nammation Gassincation (4)	yes-cour	non-cak	100
Dhoca-1 BCT-107	0.8040169	0,7016642	0.6188124
Betains boxocysteine methyltransferase (BHMT)	0.096841946	L	0.071252525
Dmiferaling cell niclear artigen gene	2.1440887	L	ш
Cylochrome P450 2D18	0.41523027	1.3379599	0.50334036
Cytochrome P450 2C11	0.13191731	0.51018816	0.29993737
Phase-1 RCT-290	0.29799092	0.7738295	٥
Phase-1 RCT-59	2,5527768		
Beta-actin, sequence 2	2.9687517	1.3027158	╛
Phase-1 RCT-292	0.8358251	1.0147758	
Pyruvate kinase, muscle	4,7186656	0.63391197	1.7183726
Detenantivin	7.710055	_	
Calorandin B1	2,2252955		1,6380981
Andinonmeter All	0.11109998		0.28233835
Connexip-32	0.57068235	_	
Phase-1 RCT-109	1.726422		_
Clumine methyltransferase	0.3782954	1,2850665	0,14329652
1 -minon-namma-lactone oxidase	0,18345436	Ь.	Ц
Phase-1 RCT-256	0.38599926	0.80252784	0.26157707
Carbonic antivorase III	0.089831196	0.5609542	0.018577689
Phase-1 RCT-78	0.5944242	0.837193	ے
Urinary protein 2 procursor	0.14013028		l
insulin-like growth factor I	0.31306607		ò
Anyl suffotransferase	0.34340733	0.83686924	-
Phase-1 RCT-185	0.45994687		l
Cofflin	71822417	1.2003301	4 2440308
Stathmin	4 670570	┸	Ţ
605 nbosomal protein Lb	9 BA9460	1	L
Calpactin I heavy chain	3,04310	1	L
Collagen type II	70754 6	4	l
Phase-1 RCI-1/9	7 2402044	1	
Voltage-dependent anion channel 2 (Vdacz)	1 003838787	1	L
Mase-1 KC I-182	1 0003195	Ļ	ľ
Theresis hate 10	4 5385753	L	L
High affinity lige receptor gamma chain	3.1394496	<u> </u>	1.4425371
(FcERlgamma)	2 5240722	4 282380B	2 0532982
Gamma-acun, cytopiasmic	5 763337	┸	L
Uncouping protein 2	4 0498437	Ļ	ľ
Pridage Not 34	0.7166233	╀	┖
Priese I Act 21	1 6715975	┸	ᆚ
Cost Madina arabaha	6 547444	-	ı
The forms and in	1 6320338	8 0.87200236	0
Phase-1 RCT-138	2,6452522		
Aloha-tubulin	3.4715638	Ц	_
Alpha-prothymosin	2.0055177	7 1,2273427	9
Calpain 2	1.87289	Ц	
Phase-1 RCT-12	2,007208		
Cathepsin B	1.9117498		
Phase-1 RCT-24	2.830043	-	ា
10 And the name of the owner of the Action of the owner o	4 47A6554	24.205285	

			18
Phase-1 RCT-68	1.8856231	1.2202263	2.1822
Hypoxamthine-guarrine phosphoribosyltransferase	1.2631109	1.1326075	1.0975
Tissue inhibitor of metalloproteinases-1	3,128998	2,8370152	10.385
10-1	1.6305699	1.3253391	1.034
Ribosomal protein S9	1.9823402	1.3917673	1290
Heme oxygenase	5.313715	1.2870758	3.457
Ribosomal protein 58	1.7891840	1.320/303	1 706
Nucleoside dioposotate kinase beta isotom	1.9797003	0.9680903	1.2260
Phase-1 RCT-121	3.9615777	1.4963027	1.029
14-3-3 zeta	3.075995	1.1444138	1.4321
60S ribosomal protein L8 (alternate clone 1)	1.6800777	1.2683167	1.5376
Beta-tubulin, class I	2.6551533	0.8950029	0.8110
Organic cation transporter 3	1.6919669	0.7431863	1.1867
Beta-actin	3 2703078	1.9399230	1038/
Rithentin reduction	2.533243	1.4140321	0.924
Phase-1 RCT-154	2.1739683	0.93116295	1.3778
Phase-1 RCT-293	4.982032	1,3600008	1.622
Amexin V	2.390962	1.3544004	1.037
Complement factor I (CFI)	0.99775934	1.8993793	0.926
Phase-1 RCT-278	0.93278664	1.2931049	0.030
I yrosinė artinotransierase	0.3145907	0.300017	000
Ghtathone peroxidase	0.693878	1 245478B	0.1471
Carbonic anhydrasa (II. sectiones 2	0.5131549	1.3848503	0.1040
Phase-1 RCT-92	0.45698544	1.0562038	0.194
Transitional endoplasmic reticulum ATPase	0.86054945	1.075758	1.017
Phase-1 RCT-88	0.7942439	1.207669	0.532
Phase-1 RCT-236	0.60530573	2.484485	0.0982
Phase-1 RCT-161	0.4366275	-1	0.243
Glutathione S-transferase theta-1	1.1185882	1,3185403	0.9390
Dhora 4 DCT 482	0.5478536	1	0.3569
JNK1 stress activated protein kinase	0.5406055	l°	0.649
Phase-1 RCT-81	0.7177912	1.0545126	0.72
Phase-1 RCT-33	0.497881	0.7818755	0.252
Phase-1 RCT-178	0.5607463	4 0005034	1,320
Apolipopratein Cili	0.3366416	0 9031604	0 7509
NADH-randmma 15 reduction	0.42171198	0.9730204	0.4737
Apha 1 - trhibitor III	0.2436891	0.9253855	0.45
Phase-1 RCT-233	0.42334568	1.1635805	0.2070
Paraoxonase 1	0.21882187	1.3272403	0.1367
Presentlin-1	0.24058105	1.0025127	0.4169
Apolipoprotein C1	0.13635392	1.071679	0.2658
Cytochrome P450 2C23	0.42162266	1.6954662	0.17
Phase-1 RCT-227	0.43124133	0.77678545	0.2953
Hepatic lipase	0.24/0410	0.87230113	Section of
Phase-1 RC1-164	4 5784097	1 8914113	1 089
insulindite growth factor I, exon 6	0.34395814	10	0.659
N-hydroxy-2-acetylaminofluorene sulfotransferase	0.33320472		0.0858
(S11C1) Dynamin-1 (D100)	0.74161947	0.9502544	0.603
DNA polymerase beta	1,1561971	0.9624877	1.04

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	4 0000004	4 06024	4 4 5 GOAR
Ubiquitin conjugating enzyma (KAL) 6 nomotogue)	1.ouzouo4	1.00324	1.130340
Ribosomal protein L13A	1.9462317	1.3632537	2.247025
Phase-1 RCT-144	1.2983661	1.1453855	1.3175316
c-H-ras		12523831	1,530816
Vesicular monoamine transporter (VMA1)	-	0.47463155	1.049939
Phase-1 RCI-273	_	0.41023173	4 4854684
Prizase-1 RC 1-230	0 8784185	0.00000 0.7888208	1 255345
Disco 107190	0 84548587	0 4444107	1 0130352
Dhaca-1 RCT-158	1.5875775	0.9016394	1.2018623
Deportifie kinase	0.96194685	0,7705581	1.4161179
(nosital polyohosobate multikinase (lomk)0	0.62340355	0.44681448	0,5744744
Neuronal cell adhesion motecule (NrCAM)	1,2564245	0.45160484	0.9269709
Hepatocyte growth factor receptor	1.159072	1.1191982	1
Empty	0.8991991	0.6028172	1.1242586
Doparnine receptor D2	1.0226784	0.94019413	0.74451745
Phase-1 RCT-51	1.0109782	0.897611	7.9182405
Four repeat ion channel	0.84998834	1.050205	0.95182323
Adrenomedulin	0.8652592	0.5960319	1.5350603
Caveofin-3	0.7708271	0.8325261	0.88653857
Phase-1 RCT-129	1.2017422	0.7223974	1,475175
Phase-1 RCT-94	1.0000972	1.0265609	1.2811085
Sarcoplasmic reticulum calcium ATPase	0.7748615	0.8541117	1.3511043
Phase-1 RCI-79	0.7883576	0.0256069	0.95001433
Prisse-1 RCI-222	0.8519434	1 0879699	1 2836052
Phase 1 PCT-70	0.87584794	0,89695007	0.9826868
Phase-1 RCT-150	0.7189278	1,2268974	0.6404482
25-hydroxyyttarriin D3-1 alpha-hydroxyfase	1.0930347	1.0019236	1.36636
Phase-1 RCT-119	0.38743204	0.70738745	0.6579916
Peroxisomal 3-ketoacyl-CoA thiolase 2	0.843166	0.9429355	0.6813462
Phase-1 RCT-146	1.9992155	1.098419	1,2703335
Superoxide dismutase Mn	1.3590895	1.2316445	8.088001
Phase-1 RCT-115	2.7409308	0.520626.0	1,285/4/4
Apha-1 microglobulin/bikunin precursor (Ambp)	0.4565953	1.2435149	25.45C.0
Phase-1 RCT-18	0.8337812	0.9628638	0.92332304
Maspln	0.7277598	0.4918198	1.7338742
Decorin	1.7129465	0.6192011	1.5485382
Retinoid X receptor alpha	1.1856712	1.1044623	0.8462545
Celtular nucleic acid binding protein (CNBP)	0.85817003	P800001.	0.96323783
NADPH cytochrome P450 oxdoreductase	1.30/0231	0.0422401	0.3032030
Mairc enzyme	4 0639709	4 1207234	1 122003
Caspage	1 7174932	0.8600019	0.5145915
STORE	1 9818262	1.1542108	2,3778481
Poly(ADP-ribose) polymerase	1.5267507	1.0924722	1.1368742
Tissue plasminoen activator	1.4500462	0.92679745	1.0972991
Multidrug resistant protein-1	3.7162	l	0.9582012
Phase-1 RCT-207	23214073	٩	1.0947728
	0.6738912	1.284629	0.94981194
Gap junction membrane channel protein beta 1	0.57613164	0.99224895	0.54281425
Amanorin 3 (AOP3)	0.76564807	1.0010186	1.1204846
Myelin basic protein	1.3966417	Ш	미
Colomoratio R3	10000101	A 000343644	

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Design 4 Des	3466306	1.3466306 1.0327852	2000
Outcome articator 28 surba	1,4629532	1,4629532 0.97415274	1,3092
TivedSource acute and acute acute and acute acute and acute acute and acute acut			
(1) Gene expression data for 72 hour timepoint			
are presented as mean ratio of treatment/control			
for all 72 hour predictive genes (Table 23).			
(2) Compound and dose abbreviations as in			
Table 1.			
(3) Individual animal number			
(4) Liver Inflammation dassification for compound			
dose group at 72 h: yes-nect, necrosis observed;			
yes-both, necrosts with inflammation observed;			
no, no histopathology observed	_		
(5) Predictive gene (as in Table 23 and as			
included in Table 26)			